



County Borough of Merthyr Tydfil

---

# PUBLIC HEALTH

## 1957

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T. H. STEPHENS, M.B., CH.B., D.P.H., F.R.S.H.  
Medical Officer of Health





County Borough of Merthyr Tydfil

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Medical Officer of Health

Southey, Printers, Merthyr

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## COUNTY BOROUGH OF MERTHYR TYDFIL.

Department of Public Health,

Town Hall,

MERTHYR TYDFIL

*To the Mayor, Aldermen and Councillors of the County  
Borough of Merthyr Tydfil.*

*Mr. Mayor, Ladies and Gentlemen,*

I have the honour to present my Annual Report for the year 1957.

The Birth and Death Rates for all causes per thousand of the estimated population (59,300) were respectively 16.61 and 13.54 whereas the corresponding figures for England and Wales were 16.1 and 11.5. The total number of deaths were 803 of which 258 or 30.88% were due to Heart Disease ; 116 or 13.2% were due to Malignant Disease ; 119 or 14.82% were due to Vascular Lesions of the Nervous System. In the Malignant Diseases, 21 deaths were due to neoplasm of the stomach, 19 to that of the Lung and it is interesting to note that for the second year in succession, all these occurred in males. There were 10 deaths certified as Malignant Disease of the Breast and 5 of the Uterus. Deaths from Tuberculosis show an increase on 1956 of 13 which is equivalent to a Death Rate of 219.3 per million population. There was a slight decrease in the Infant Mortality Rate to 37.55 per thousand live births but as I have stated in previous years, this compares unfavourably with the national rate of 23.1.

The Vaccination of children under fifteen years of age against Poliomyelitis gained momentum considerably during the year and much of the Medical, Nursing and Administrative effort of the Staff was diverted to cope with it. During the year, two thousand, one hundred and thirty seven children of all age groups received two injections and a further five hundred and fifty one had received one at the end of the year.

I have featured photographs of the Caedraw Slum Clearance Areas in this Report. This scheme involving some two hundred and sixty houses containing two hundred and seventy one families resulted in much extra work for the Public Health Inspectorate who completed the detailed inspection of each dwelling in 1957 in preparation for the Inquiry under the Housing Act,

The Mayor, Alderman B. Watkins, opened Duffryn Taf House, Edwardsville, as an Old People's Home in May 1957. It has total accommodation for fifty-four persons and is very conveniently situated just off the Merthyr-Cardiff road at Edwardsville with the British Railways Station of Quakers' Yard near-by.

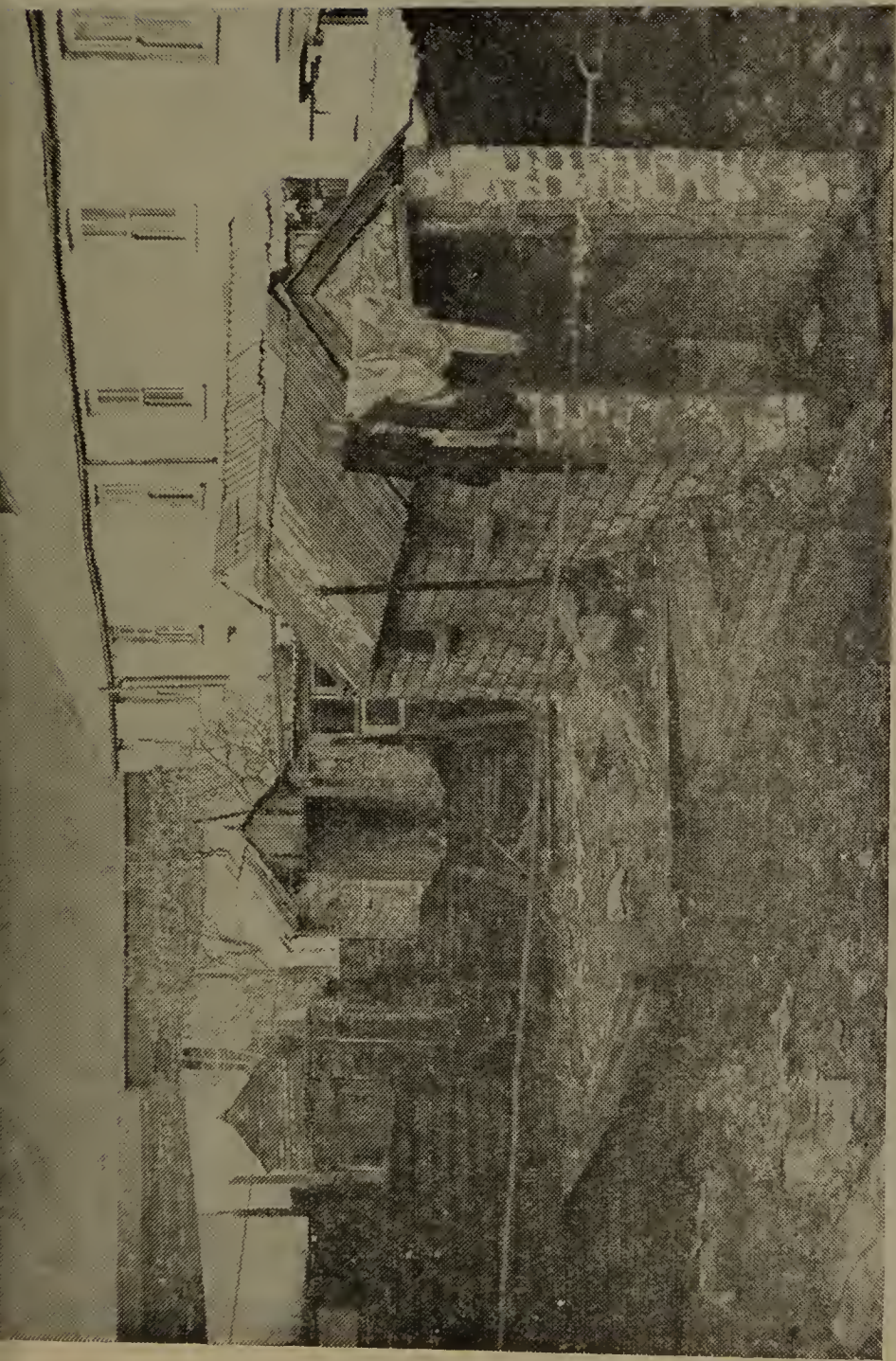
I should like to express my thanks to the Chairman of the Health Committee and the Members of the Corporation for their ready assistance in matters affecting public health, to other Departments of the Corporation and to my Staff for their continued loyalty.

I have the honour to be,

Your obedient Servant,

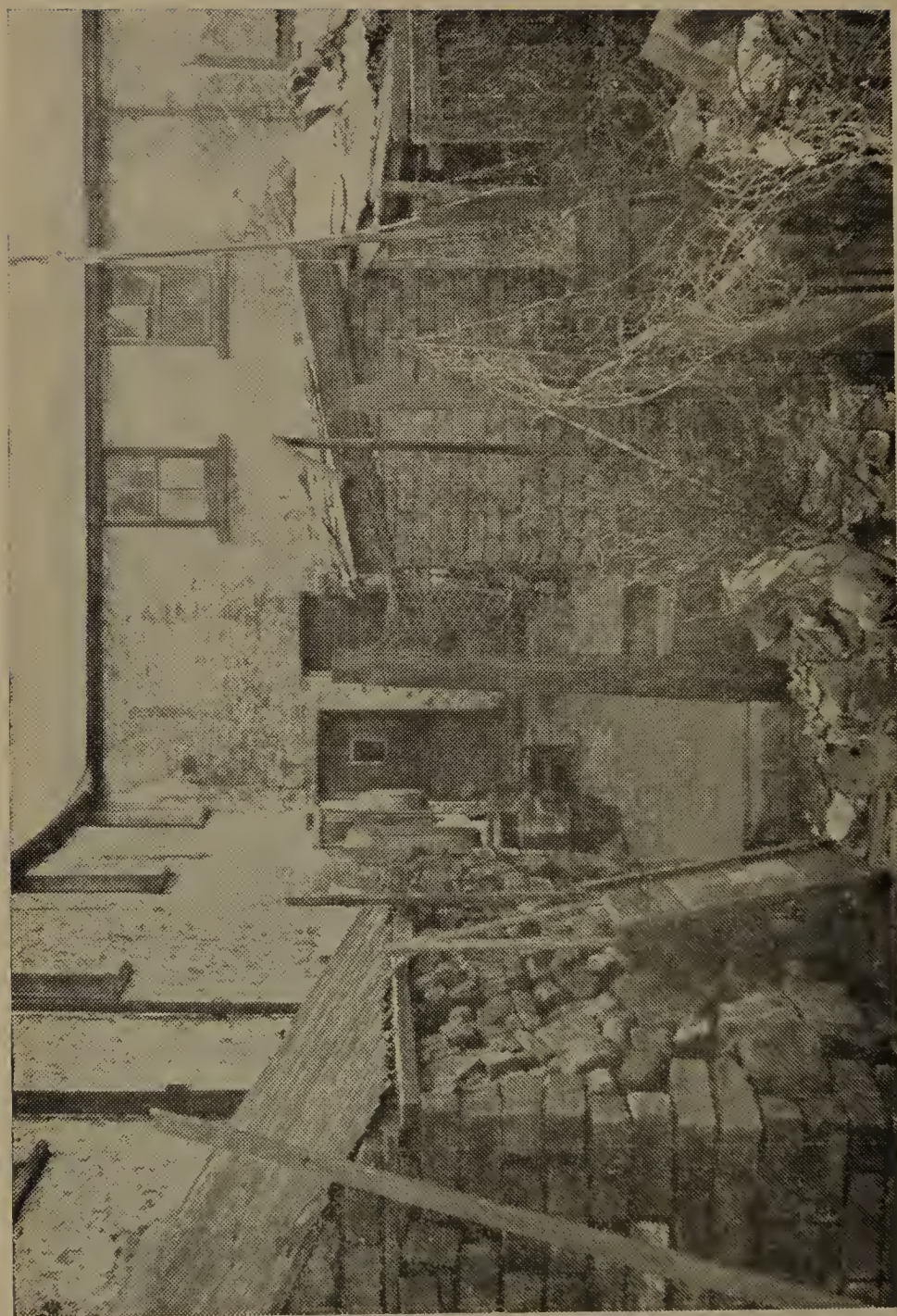
T. H. Stephens,

*Medical Officer of Health.*



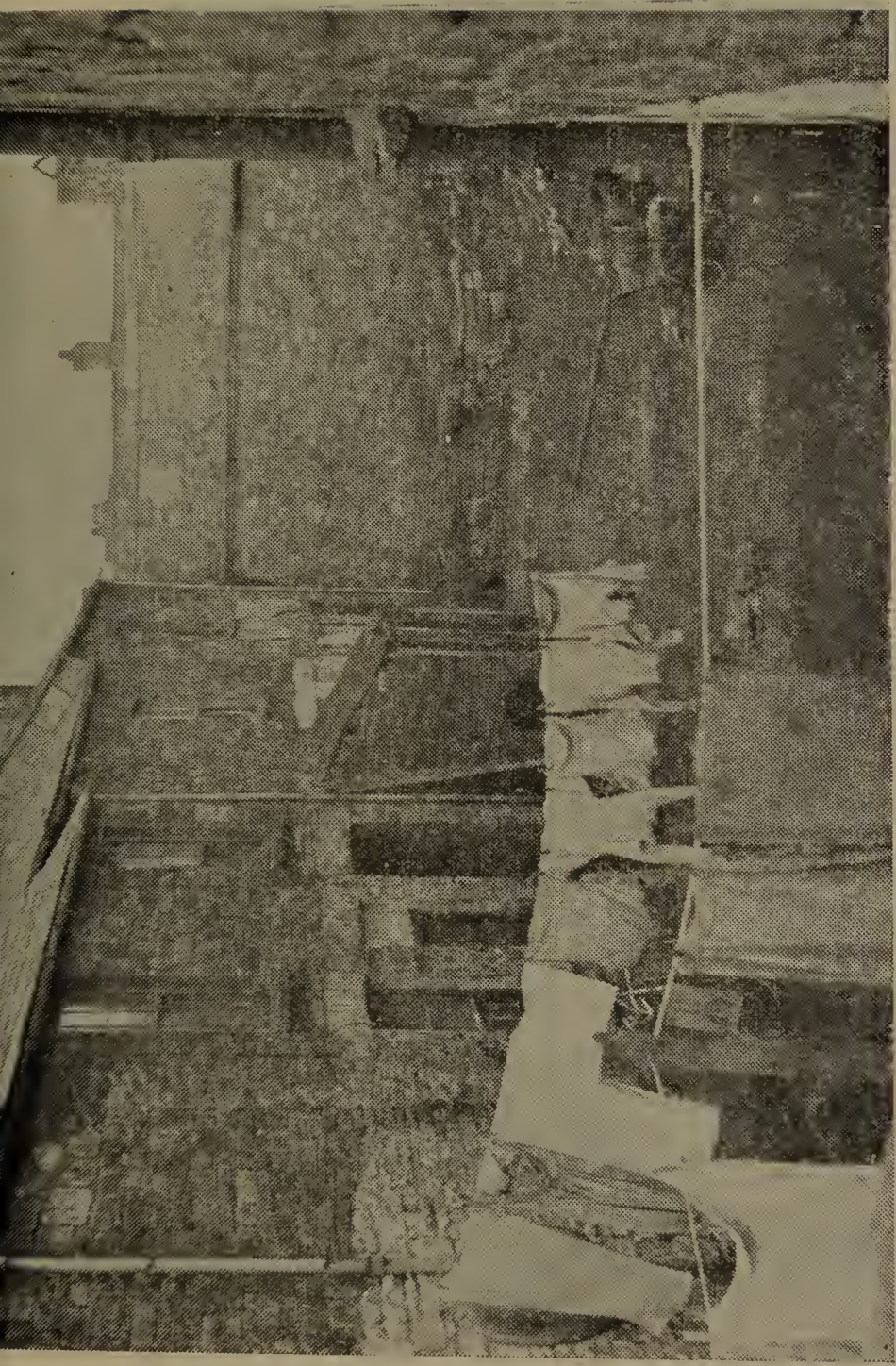
MIDDLE TAFF STREET — CAEDRAW SLUM CLEARANCE AREAS





CROSS PICTON STREET — CAEDRAW SLUM CLEARANCE AREAS





BLACK LION COURT — CAEDRAW SLUM CLEARANCE AREAS





HARRIS COURT — CAEDRAW SLUM CLEARANCE AREAS

## PART 1.

### Committees and Staff

**COUNTY BOROUGH OF MERTHYR TYDFIL.**  
**1957**

*The Mayor*  
Alderman Mrs. M. McPhail, J.P.

*The Deputy Mayor :*  
Councillor S. Davies

**HEALTH COMMITTEE**

*Chairman :* Alderman M. McGinty  
*Vice-Chairman :* Alderman Mrs. M. McPhail, J.P.

The Whole Council

*Namely :—*

Aldermen T. J. Evans, M.B.E., W. S. Owen, J. G. Davies, B. Watkins,  
C. Stanfield and H. I. Williams, M.B.E., J.P.

Councillors T. Y. Lewis, W. Sheene, D. J. Williams, S. Davies,  
C. J. Griffiths, J.P., A. John, R. J. Baker, T. J. Lloyd, I. Davies,  
Mrs. A. Dawes, C. E. Webb, B.E.M., J.P., M. Osborne, B.E.M.,  
W. J. James, C. G. Jones, G. M. Donovan, Mrs. C. Lloyd,  
W. W. Herbert, B. M. Davies, Mrs. G. I. Williams,  
L. Davies, D. R. Tudor, J. L. Williams, S. G. Edwards and  
D. J. Evans.

**MATERNITY AND CHILD WELFARE COMMITTEE.**

*Chairman :* Councillor Mrs. C. W. Lloyd.  
*Vice-Chairman :* Councillor Mrs. G. I. Williams

Alderman W. S. Owen	Alderman B. Watkins
Alderman C. Stanfield	Alderman H. I. Williams
Councillor D. J. Williams	Councillor W. Sheene
Councillor A. John	Councillor Mrs. A. Dawes
Councillor M. Osborne	Councillor B. M. Davies
Councillor C. Jones	Councillor J. L. Williams

with

The Mayor  
and

Alderman M. McGinty (*Chairman of the Health Committee*)

**WELFARE SERVICES COMMITTEE.**

*Chairman :* Councillor D. J. Williams  
*Vice-Chairman :* Councillor G. M. Donovan

Alderman T. J. Evans	Alderman J. G. Davies
Alderman W. S. Owen	Alderman B. Watkins



Councillor D. J. Williams	Councillor S. Davies
Councillor A. John	Councillor I. Davies
Councillor R. J. Baker	Councillor Mrs. A. Dawes
Councillor B. M. Davies	Councillor W. W. Herbert
Councillor Mrs. G. I. Williams	Councillor L. Davies
Councillor J. L. Williams	Councillor S. G. Edwards

with

The Mayor

and

Alderman M. McGinty (*Chairman of the Health Committee*)

#### BLIND AND OTHER WELFARE SERVICES COMMITTEE

*Chairman :* Councillor M. Osborne

*Vice-Chairman :* Councillor C. E. Webb

Alderman C. Stanfield	Alderman H. I. Williams
Councillor T. Y. Lewis	Councillor W. Sheene
Councillor R. J. Baker	Councillor I. Davies
Councillor W. James	Councillor Mrs. C. Lloyd
Councillor Mrs. G. I. Williams	Councillor D. J. Evans
Councillor C. Jones	

with

The Mayor and Ex-Mayor

and

Alderman M. McGinty (*Chairman of the Health Committee*)

and

Four representatives of the Blind Institute.

#### MENTAL HEALTH SERVICES COMMITTEE

*Chairman :* Alderman C. Stanfield

*Vice-Chairman :* Alderman M. McGinty

Alderman W. S. Owen	Councillor W. Sheene
Councillor D. J. Williams	Councillor C. J. Griffiths
Councillor A. John	Councillor I. Davies
Councillor M. Osborne	Councillor G. M. Donovan
Councillor L. Davies	Councillor S. G. Edwards

with

The Mayor and Ex-Mayor

#### CHILDREN'S COMMITTEE

*Chairman :* Councillor Mrs. A. Dawes

*Vice-Chairman :* Councillor J. L. Williams

Councillor I. Davies	Councillor Mrs. C. Lloyd
Councillor Mrs. G. I. Williams	Councillor G. M. Donovan
Councillor S. G. Edwards	Councillor D. J. Williams

with

The Mayor and Ex-Mayor

## MEDICAL STAFF

*Medical Officer of Health, Principal School Medical Officer, Medical Superintendent, Mardy Isolation Hospital, Medical Officer under the Mental Deficiency Acts :*

T. H. Stephens, M.B., Ch.B., D.P.H., F.R.S.H.

*Assistant Medical Officers and School Medical Officers :*

Monica Parry-Morton, B.Sc., M.B., B.Ch.

E. A. Marsden, M.B., B.Ch.

J. I. Rosen, M.R.C.S., L.R.C.P., D.P.H. (Part year).

*Part-time Consultant Orthopaedic Surgeon :*

A. O. Parker, M.D., C.M.

*Part-time Consultant Ophthalmic Surgeon :*

Rupert Parry, M.B., B.S., F.R.C.S.

*Part-time Ear, Nose and Throat Specialist :*

Alan Thomas, F.R.C.S.

*Part-time Paediatrician :*

Professor A. G. Watkins

F. W. Nash, M.D., B.S., M.R.C.S., M.R.C.P.

*Part-time Psychiatrist :*

G. N. Lacey, B.Sc., M.B., Ch.B., D.P.M.

*Dental Officers :*

F. S. Baguley, L.D.S.

J. A. Wylie, L.D.S.

*Public Analyst and Official Analyst under the Fertilizers and Feeding Stuffs Act, 1926 :*

D. Evans Jones, M.Sc., F.R.I.C.

## PUBLIC HEALTH INSPECTORATE

*Chief Public Health Inspector and Food Inspector, Official Sampler and Inspector under the Fertilizers and Feeding Stuffs Act, 1926 :*  
Iorwerth Thomas (a.b.)

*Deputy Chief Public Health Inspector :*  
C. G. Stuckey (a.b.)

*Public Health Inspectors and Food Inspectors :*  
V. D. L. Prothero (a.b.)  
J. B. Jones (a.b.)  
J. Morgan (a.b.)  
D. Collins (a.b.)

*Public Health Inspector and Shops Act Inspector :*  
D. C. N. Davis (a.j.)

*Rodent Officer :*  
G. A. Price

*Disinfection and Disinfestation Staff :*

A, Andrews, G. W. Foran, W. G. Foster, S. Evans (Part-year)

## NURSING STAFF

*Superintendent Nursing Officer, Superintendent School Nurse and Home Help Organiser :*

A. L. Evans (c.d.e.)

*Health Visitors and School Nurses :*

E. J. Watkins (c.d.e.)

D. Jenkins (c.d.e.)

M. F. Jelleyman (c.d.e.g.)

S. Jones (c.e.h.)

C Jones (c.d.)

A. Meredith (c.d.e.)

J. A. Lewis (c.d.e.)

N. J. Sage (c.d.e.g.)

M. Jones (c.h.e.)

*Domiciliary Midwives :*

H. Davies (d.), B. M. Jones (c.d.), L. Daley (d.) (part year), K. Lovis (c.d.), M. Williams (c.d.f.), D. Summers (c.d.f.), A. E. Davies (c.d.), G. M. Warrior (c.d.).

*District Nurses :*

M. Nicholas (c.g.), S. J. Lewis (c.), F. Evans (c.f.), A. M. Clements (c.d.f.), E. J. Evans (c.), E. Wright (c.f.), E. E. Thomas (c.f.g.), B. Whitford Jones (c.f.g.), O. Davies (c.f.), H. McDonald (c.f.), M. Lloyd (c.d.) (Relief), H. Davies (c.d.) (Relief), B. A. Thomas (c.) Relief.

*Dental Technician :*

L. Mytton

*Dental Attendant :*

P. Morgan (Part year).

## WELFARE FOODS DISTRIBUTION

D. Evans ; C. Spillane (Part year). E. Price (Part-year).

## WELFARE SERVICES

*Director of Welfare :*

Bryn Roberts

*Duly Authorised Officer :*

F. Jennings

*Clerical Staff :*

T. Barlow.

T. Morris.

*Pentrebach House Home for Aged Men :*

*Superintendent :*

C. Adler

*Staff :* One Cook, two Female Attendants, Two Male Attendants, One Porter/Handyman and Two General Domestic.

*Pant House Home for Aged Females :*

*Staff :* Two Female Attendants, One General Domestic

## AMBULANCE SERVICE

*Ambulance Officer :*

J. A. Williams

*Staff :* Seventeen Drivers, One Mechanic and One Assistant Mechanic.

## ADMINISTRATIVE AND CLERICAL STAFF

*Chief Administrative Clerk. :*

Terry Thomas (a.)

*Deputy Chief Administrative Clerk. :*

J. R. Jones

*Clerical Staff :*

W. K. Jones

I. Protheroe\*

Mary Evans (part yr.)

N. Vaughan

Joan Thomas

Jean Skyrme (part yr.)

E. Chance

Ann Vaughan

*Clerical Staff (Clinics) :*

S. J. Lewis

G. Evans

D. Vaughan

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KEY :

- a. — Public Health Inspector's Certificate of the Royal Society for the Promotion of Health and The Public Health Inspectors' Board.
- b. — Meat and Other Foods Certificate of the Royal Society for the Promotion of Health.
- c. — State Registered Nurse.
- d. — State Certified Midwife.
- e. — Health Visitor's Certificate of the Royal Society for the Promotion of Health.
- f. — Registered Fever Nurse.
- g. — Queen's Nurse's Certificate.
- h. — Central Midwives Board Examination Part I.
- j. — Smoke Inspector's Certificate of the Royal Society for the Promotion of Health.
- \* — Also acts as Assistant Duly Authorised Officer

## **PART 2.**

### **General and Comparative Statistics**

# VITAL STATISTICS—1957.

Area in Acres	...	...	...	...	...	17,760
Population (Census 1951)	...	...	...	...	...	61,093
Population (Registrar General Mid-year Estimate)	...	...	...	...	...	59,300
Density of population per acre (1951 Census)	...	...	...	...	...	3.4399
Number of houses on Rate Books in 1957	...	...	...	...	...	17,525
Number of Shops/houses	...	...	...	...	...	442
Number of Shops	...	...	...	...	...	469
Number of Farms	...	...	...	...	...	68
Number of Inns and Clubs	...	...	...	...	...	168
Average number of persons to each occupied house (1957)	...	...	...	...	...	3.44
Legitimate Live Births	Male 522 Female 435	Total 957	} Total Live Births ... 985			
Illegitimate Live Births	Male 11 Female 17	Total 28				
Live Birth Rate per thousand population	...	...	...	...	...	16.61
* Corrected Live Birth Rate per thousand population	...	...	...	...	...	16.61
Stillbirths :	Male 17 Female 11	Total Stillbirths	...	...	...	28
Still birth rate per thousand births	...	...	...	...	...	27.64
Total Births Live & Still	Male 550 Female 463	Total Births, Live & Still	...	...	...	1013
Total Birth Rate per thousand population	...	...	...	...	...	17.08
* Corrected Total Birth Rate per thousand population	...	...	...	...	...	17.08
Deaths :	Male 439 Female 364	Total Deaths	...	...	...	803
Death Rate per thousand population	...	...	...	...	...	13.54
† Corrected Death Rate per thousand population	...	...	...	...	...	14.76
Infant Mortality Rate	...	...	...	...	...	36.55
Death Rate from Principal Infectious Diseases	...	...	...	...	...	Nil
Respiratory T.B. Death Rate (rate per million population)	...	...	...	...	...	202.3
Non-Respiratory T.B. Death Rate (rate per million popul'n)	...	...	...	...	...	17.0
Malignant Neoplasms Death Rate per thousand population	...	...	...	...	...	1.956

\* Registrar General's Comparability Factor of 1.00 for Births

† Registrar General's Comparability Factor of 1.09 for Deaths

## POPULATION

The Registrar-General's estimated population for the County Borough for mid-year 1957 was 59,300 which is a decrease of 200 from the previous year. This is the lowest estimate of population assigned to this County Borough during the present Century. The only accurate figure of population is, of course, the Census and in 1951 our official population was given as 61,093. Since this figure was published there has been a steady decline in the estimated population although during those seven years the births in the County Borough have exceeded the deaths. The following table comparing actual live births and deaths, shows the overall excess :

<i>Year</i>		<i>Live Births</i>		<i>Deaths</i>		<i>Excess of Births</i>
1951	...	992	...	913	...	79
1952	...	961	...	777	...	184
1953	...	959	...	849	...	110
1954	...	880	...	817	...	63
1955	...	857	...	857	...	—
1956	...	845	...	731	...	114
1957	...	985	...	803	...	182
Total Excess of Births				...	...	732

We have felt for a period of years that the estimated population of the County Borough of Merthyr Tydfil, as given by the Registrar General, falls very much short of what the population actually is. The Town Clerk, Borough Treasurer and myself have interviewed the Registrar General on two occasions in London but without any success. The latest figures from the Secretary of the Executive Council show that there are 59,928 registered on doctor's lists in the County Borough of Merthyr Tydfil. In addition there are National Service men who are not on the list plus university students. There are a number of people who are not registered on the doctors' lists and the Secretary of the Executive Council estimates the number to be in the region of 1,200, which brings our population well over 61,000.



The following table gives details of Census Population since 1801 :—

Year	Population	Year	Population
1801	7,705	1891	58,080
1811	11,184	1901	69,228
1821	17,404	1911	80,990
1831	22,083	1921	82,760
1841	34,997	1931	71,108
1851	46,692	1939*	62,772
1861	50,461	1941	No Census
1871	51,891	1951	61,093
1881	48,857		

\*National Registration population figure given in lieu of Census.

## BIRTHS

In 1957, a total of 1003 births were registered of which 985 were live births. This represents a Total Birthrate for the County Borough of 17.08 per thousand population and a live Birth Rate of 16.61. The live Birth Rate for England and Wales was 16.1 per thousand population.

The number of births is made up as follows :

LEGITIMATE				ILLEGITIMATE				TOTALS	
Livebirths		Stillbirths		Livebirths		Stillbirths			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
522	435	17	11	11	17	Nil	Nil	550	463
957		28		28		Nil		1013	
985				28					



A comparison of England and Wales and Local Birthrates over the past ten years is shown in the following table :

Year	No. of Births	Rates per thousand population		Increase or decrease of Local Rate on National Rate
		County Borough of Merthyr Tydfil	England and Wales	
1947	1181	19.6	20.6	—1.0
1948	1099	18.4	17.9	+0.5
1949	1083	17.8	16.7	+1.1
1950	1057	17.4	15.8	+1.6
1951	992	16.4	15.5	+0.9
1952	961	15.9	15.3	+0.6
1953	959	16.04	15.5	+0.5
1954	880	14.74	15.2	—0.5
1955	857	14.31	15.0	—0.7
1956	845	14.20	15.6	—1.4
1957	985	16.61	16.1	+0.5
Aver. Annual Birthrate 1947 to 1957		16.49	16.3	+0.2

## MARRIAGES

During 1957, 490 marriages were registered in the County Borough of Merthyr Tydfil, which is a Married Persons Rate of 16.4 per thousand population. The details of marriages in the County Borough during the last ten years and their comparison with the national figures are as follows :—

Year	Number of Marriages	Rates per thousand population	
		County Borough of Merthyr Tydfil	England and Wales
1947	476	15.8	18.6
1948	480	16.1	18.2
1949	649	21.4	17.1
1950	486	16.0	16.4
1951	481	15.9	16.5
1952	491	16.3	15.9
1953	492	16.4	15.6
1954	475	15.9	15.4
1955	489	16.3	16.1
1956	497	16.7	15.8
1957	490	16.4	15.4

## DEATHS

During 1957, eight hundred and ninety one deaths were registered in the County Borough but 138 of these deaths were of non-residents. In addition, 50 residents died outside the County Borough Area so that the total number of deaths of residents during the year was 803. The Death Rate per thousand population for 1957 was therefore 13.54 whilst the rate for England and Wales was 11.5 as was that for the Great Towns in England and Wales.

The following table shows the number of deaths of Residents of the County Borough together with the Local and England and Wales Death Rates from 1947 :

Year	Number of Deaths	Rates per thousand Population	
		Merthyr Tydfil	England & Wales
1947	940	15.6	12.0
1948	838	14.1	10.8
1949	839	14.1	11.7
1950	941	15.8	11.6
1951	913	15.3	12.5
1952	777	13.1	11.3
1953	849	14.2	11.4
1954	817	13.7	11.3
1955	857	14.3	11.7
1956	731	12.29	11.7
1957	803	13.54	11.5

The numbers and percentages of deaths occurring in the different age groups are :—

Age Group	Number of Deaths			Percentage
	Males	Females	Totals	
0-1 yr.	15	22	37	4.61
1-5 yrs.	3	5	8	0.99
5-15 yrs.	3	2	5	0.62
15-45 yrs.	28	18	46	5.73
45-65 yrs.	122	76	198	24.66
65-75 yrs.	119	104	223	27.77
Over 75 yrs.	149	137	286	35.62
All Ages	439	364	803	100.00

CAUSE OF DEATH	Total	0—1	1—5	5—15	15—45	45—65	65—75	Over 75
Tuberculosis, Respiratory	10	—	—	—	3	4	1	2
Syphilitic Disease	2	—	—	—	—	1	1	—
Other Infective and Parasitic Diseases	1	—	—	—	—	1	—	—
Malignant Neoplasms, Stomach	11	—	—	—	—	5	3	3
Malignant Neoplasms, Lung/Bronchus	19	—	—	—	1	9	6	3
Other Malignant and Lymphatic Neoplasms	24	—	—	1	1	10	6	6
Leukaemia	2	—	—	—	—	2	—	—
Diabetes	1	—	—	—	—	1	—	—
Vascular Lesions of the Nervous System	61	—	—	—	—	9	23	29
Coronary Disease, Angina	70	—	—	—	1	28	24	17
Hypertension with Heart Disease	13	—	—	—	—	4	8	1
Other Heart Disease	63	—	—	—	3	6	10	41
Other Circulatory Disease	16	—	—	—	—	3	2	11
Pneumonia	15	1	—	—	1	4	3	6
Influenza	2	—	1	—	—	—	—	1
Bronchitis	34	—	—	—	1	12	10	11
Other Diseases of Respiratory System	18	—	—	—	—	7	8	3
Ulcer of Stomach and Duodenum	7	—	—	—	—	4	2	1
Nephritis and Nephrosis	7	—	—	—	4	1	1	1
Hyperplasia of Prostate	7	—	—	—	—	—	4	3
Congenital Malformations	5	4	—	—	—	1	—	—
Other Defined and Ill-defined Diseases	32	9	2	2	4	4	6	5
Motor Vehicle Accidents	5	—	—	—	3	2	—	—
All other Accidents	11	1	—	—	4	4	—	2
Suicide	3	—	—	—	2	—	1	—
TOTAL — MALES	439	15	3	3	28	122	119	149

## Causes of Death in Various Age Groups—Female

CAUSE OF DEATH	Total	0—1	1—5	5—15	15—45	45—65	65—75	Over 75
Tuberculosis, Respiratory	2	—	—	—	—	—	2	—
Tuberculosis, Other	1	—	—	—	—	—	—	1
Meningococcal Infections	1	1	—	—	—	—	—	—
Measles	1	—	1	—	—	—	—	—
Malignant Neoplasms, Stomach	10	—	—	—	—	4	2	4
Malignant Neoplasms, Breast	10	—	—	—	2	5	1	2
Malignant Neoplasms, Uterus	5	—	—	—	1	3	1	—
Other Malignant and Lymphatic Neoplasms	37	—	—	—	2	16	12	7
Leukaemia	1	—	—	—	—	1	—	—
Diabetes	3	—	—	—	1	1	—	1
Vascular Lesions of the Nervous System	58	—	—	—	—	8	23	27
Coronary Disease, Angina	36	—	—	—	—	6	19	11
Hypertension with Heart Disease	15	—	—	—	—	3	6	6
Other Heart Disease	61	—	—	—	5	5	11	40
Other Circulatory Disease	20	—	—	—	—	3	5	12
Influenza	4	—	1	1	—	1	—	1
Pneumonia	21	7	—	—	1	6	3	4
Bronchitis	10	—	1	—	—	3	3	3
Other Respiratory Diseases	4	—	1	—	2	—	—	1
Gastritis Enteritis and Diarrhoea	3	—	—	1	1	1	—	—
Nephritis and Nephrosis	4	—	—	—	—	1	1	2
Congenital Malformations	5	5	—	—	—	—	—	—
Other Defined and Ill-defined Diseases	45	9	—	—	3	7	15	11
All Other Accidents	6	—	1	—	—	1	—	4
Suicide	1	—	—	—	—	1	—	—
TOTALS — FEMALES	364	22	5	2	18	76	104	137

## WARD DISTRIBUTION OF DEATHS

The Ward Distribution of Deaths of Residents is shown below. No significance can be attached to these figures because the age, sex and population of each ward have not been taken into consideration.

Dowlais ...	104	Town ...	111
Penydarren ...	121	Plymouth ...	95
Park ...	117	Merthyr Vale	89
Cyfarthfa ...	87	Treharris ...	79

## DEATHS OF RESIDENTS OCCURRING OUTSIDE THE BOROUGH.

During the year 1957, fifty deaths outside the County Borough were assigned by the Registrar General. The following are particulars of where these deaths of residents occurred :—

<i>Place at which death occurred.</i>	<i>Registration District</i>	<i>No. of deaths</i>
Rhydlafor Hospital, Pentyrch ..	Cardiff R.D. ...	1
Sully Hospital ... ..	Barry U.D. ...	4
Aberdare General Hospital ...	Aberdare U.D. ...	3
St. Lawrence Hospital, C'pstow	Chepstow U.D. ...	2
St. Woolos Hospital, Newport	Newport C.B. ...	1
Children's Hospital, Gt. Ormond Street ... ..	Holborn U.D. ...	1
St. David's Hosp., Cardiff ...	Cardiff C.B. ...	12
St. Winifrede's Hosp., Cardiff	Cardiff C.B. ...	4
Llandough Hospital ... ..	Penarth U.D. ...	3
Royal Infirmary, Cardiff ...	Cardiff C.B. ...	4
Tower Colliery, Hirwaun ...	Neath R.D. ...	2
Pill Road, Milford Haven ...	Milford Haven U.D. ...	1
Bedwas Colliery ... ..	Bedwas & Machen U.D.	1
Cossham Memorial Hospital, Bristol ... ..	Bristol C.B. ...	1
Abertysswg Hosp., Abertysswg	Rhymney U.D. ...	1
Victoria Cottage Hospital, Abergavenny ... ..	Abergavenny U.D. ...	1
New Drift, Trelewis ... ..	Gelligaer U.D. ...	1
Canadian Red Cross Hospital, Taplow ... ..	Eton R.D. ...	1
Craigmore Avenue, B'rnmouth	Bournemouth C. B. ...	1
Linden Lea Street, Corfe Castle	Wareham & Purbeck R.D. ...	1
Plymouth Nursing Home, P'arth	Penarth U.D. ...	1
Porth Hospital, Porth ... ..	Rhondda U.D. ...	1
Withybush Hospital, Prendergast North ... ..	Haverfordwest R.D. ...	1
War Memorial Hosp., Brecon ...	Brecknock U.D. ...	1
	Total ...	50

## FATAL ACCIDENTS AND SUICIDES.

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During 1957, there were seventeen fatal accidents, five fatal motor accidents and four suicides involving residents of the County Borough. The details of these deaths are as follows :—

(a) *Fatal Accidents :*

Deaths due to injuries received during course of employment	...	...	...	...	...	5
Deaths due to burns accidentally received	...	...	...	...	...	2
Deaths accelerated by accidental falls	...	...	...	...	...	5
Cardiac arrest or respiratory failure whilst under general anaesthetic	...	...	...	...	...	3
Asphyxia through accidental suffocation in pram	...	...	...	...	...	1
Asphyxia accidentally caused by placing polythene bag over head	...	...	...	...	...	1
Total Fatal Accidents						17

(b) *Motor Accidents :*

Shock and multiple injuries due to colliding with a motor lorry whilst riding a motor cycle	...	...	...	...	...	2
Shock and traumatic injuries to neck by striking a vehicle	...	...	...	...	...	1
Shock and fractured base of skull caused whilst riding a motorcycle	...	...	...	...	...	1
Cerebral haemorrhage from head injuries caused by falling from motor cycle	...	...	...	...	...	1
Total Motor Accidents						5

(c) *Suicides :*

Deaths due to inhalation of coal gas self-administered whilst the balance of the mind was disturbed...	...	...	...	...	...	3
Laceration of the brain following gunshot wound self-inflicted whilst the balance of the mind was disturbed...	...	...	...	...	...	1
Total Suicides						4



## ANALYSIS OF DEATHS FROM VARIOUS CAUSES

### (i). Heart Disease :

Males	...	...	146
Females	...	...	112
			<hr/>
Total	...	...	258
			<hr/>

Heart disease embraces the following classifications of Causes of Death :

Coronary Disease, Angina.  
Hypertension with Heart Disease.  
Other Heart Disease.

This group was the largest cause of death being responsible for 30.88% of all deaths in 1957 as compared with 28.73% in 1956. It also represents a Death Rate of 4,351 per million. Last year it was 3,530.

The deaths recorded in sex and age groups were as follows :

		0-5	5-15	15-45	45-65	65-75	Over 75
Males	...	—	—	4	38	42	62
Females	...	—	—	5	14	36	57

### (ii) Malignant Neoplasms :

Males	.....	...	54
Females	...	...	62
			<hr/>
Total	...	...	116
			<hr/>

This group is sub-divided into the following classifications of Causes of Death :

Malignant Neoplasms, Stomach  
Malignant Neoplasms, Lung Bronchus  
Malignant Neoplasms, Breast  
Malignant Neoplasms, Uterus  
Other Malignant and Lymphatic Neoplasms

Malignant Neoplasms were responsible for 13.20% of all deaths compared with 12.86% in 1956. It represents a Death Rate of 1,956 per million population. Last year it was 1,750.

		0-5	5-15	15-45	45-65	65-75	Over 75
Males	...	—	1	2	24	15	12
Females...	...	—	—	5	28	16	13

### (iii). Tuberculosis (All Forms) :

Males	...	...	10
Females	...	...	3
			<hr/>
Total	...	...	13
			<hr/>

Tuberculosis was responsible for 1.62% of all deaths in 1957 as compared with 1.10% in 1956. The Death Rate was 219 per million population. In 1956 it was 134.6.

The deaths recorded in sex and age groups were as follows :

	0-5	5-15	15-45	45-65	65-75	Over 75
Males ... ..	—	—	3	4	1	2
Females ... ..	—	—	—	—	2	1

(iv) **Vascular Lesions of the Nervous System :**

Males ... ..	61
Females ... ..	58

---

Total ... 119

Vascular Lesions of the Nervous System were responsible for 14.82% of all deaths as compared with 18.83% in 1956. The Death Rate was 2,000 per million population. In 1956 it was 2,250.

The deaths recorded in sex and age groups were as follows :

	0-5	5-15	15-45	45-65	65-75	Over 75
Males ... ..	—	—	—	9	23	29
Females ... ..	—	—	—	8	23	27

(v) **Congenital Malformations :**

Males ... ..	5
Females ... ..	5

---

Total ... 10

Congenital Malformations were responsible for 1.25% of all deaths and the death rate was 169 per million population.

All these deaths occurred in the first year of life except one male death in the 45-65 years group.

(iv). **Bronchitis :**

Males ... ..	34
Females ... ..	10

---

Total ... 44

Bronchitis was responsible for 5.47% of all deaths compared with 6.16% in 1956. The Death Rate from Bronchitis was 742 per million population, and 756 in 1956.

The deaths recorded in sex and age groups were as follows :

	0-5	5-15	15-45	45-65	65-75	Over 75
Males ... ..	—	—	1	12	10	11
Females ... ..	1	—	—	3	3	3

(vii). **Pneumonia :**

Males ... ..	15
Females ... ..	21

---

Total ... 36

Pneumonia was responsible for 4.48% of all deaths compared with 4.24% in 1956. The Pneumonia Death Rate was 607 per million population. It was 520 in 1956.



**INFANT MORTALITY.**

Year	No. of Infant Deaths	Infant Death Rates	
		Merthyr Tydfil	England and Wales
1946	69	60.47	42.9
1947	74	62.65	41.4
1948	53	48.20	33.9
1949	51	47.09	32.4
1950	43	40.68	29.6
1951	42	42.30	29.7
1952	44	45.79	27.6
1953	42	43.79	26.8
1954	42	47.73	25.5
1955	25	29.17	24.9
1956	32	37.87	23.7
1957	37	37.55	23.1

**MATERNAL MORTALITY.**

During 1957, no Maternal Death was recorded which means that the Maternal Death Rate was nil. The following table shows details of deaths due to or associated with Childbirth, Pregnancy and Abortion during the past ten years :

Year	Total Number	Puerperal Sepsis	From Other Causes	From Assoc- iated Causes	Rate per 1000 births
1947	5	2	3	—	4.0
1948	6	—	6	—	5.9
1949	—	—	—	—	Nil.
1950	—	—	—	—	Nil.
1951	3	—	1	2	2.9
1952	1	—	1	—	0.99
1953	—	—	—	—	Nil.
1954	1	—	1	—	1.09
1955	1	—	1	—	1.13
1956	1	—	—	1	1.13
1957	—	—	—	—	Nil.

## EMPLOYMENT AND INDUSTRY.

The economic life of the County Borough of Merthyr Tydfil was from the Industrial Revolution until in the 1930's centred almost entirely around the production of coal, iron and steel. This was followed by a period of very grave depression in this area and considerable numbers of people had to migrate to other areas in search of a livelihood because there were no other light industries to replace the basic ones.

As a result of the Special Areas Act of 1934, several factories came into existence in this County Borough, and now we have such factories as Hoover's Washing Machines, Kayser-Bondor (Ladies underwear), Lines Bros. (Toys), I.C.I. (Chemicals, etc.) but still pride of place as the main employment of the County Borough, is Coalmining.

The following table, details of which have been compiled from statistics kindly supplied by the Managers of the Merthyr and Dowlais Employment Exchanges, gives an indication of the occupations and trades pursued by the inhabitants of the County Borough. The figures are based on the number of National Insurance Cards held at a specific time during the year, i.e. June 1957, of inhabitants classified according to the Ministry of Labour's Industrial Group System. Of course all these various types of trades and employments are not necessarily carried on within the County Borough Area as some people travel outside the area to work.

The table gives the approximate percentages of persons in each type of industry :—

<i>Industry</i>						<i>Percentage</i>
Coalmining	...	...	...	...	...	19
Metal & Elec. Manufacturing & Engineering	...	...	...	...	...	18
Textile Manufacturing & Precision Goods	...	...	...	...	...	10
Distributive Trades	...	...	...	...	...	9
Food Production and Printing etc.	...	...	...	...	...	9
Banking, Finance, Local and Central Government	...	...	...	...	...	8
Public Utility, Transport and Communication Services	...	...	...	...	...	7
Professional Services	...	...	...	...	...	7
Building and Contracting	...	...	...	...	...	3
Motor Vehicle Building and Repair	...	...	...	...	...	3
Miscellaneous Services	...	...	...	...	...	6
Agriculture and Forestry	...	...	...	...	...	1

## MINISTRY OF LABOUR AND NATIONAL SERVICE.

National Insurance Act, 1946 : Industrial Analysis of Estimated Number  
of National Insurance Cards held by Class I Insured Persons

(Employed and Unemployed)†

In June, 1957, for DOWLAIS Employment Exchange Area.

Order	*Industrial Group	Males aged 15 and over.	Females aged 15 and over.	Total Males & Females aged 15 and over.
I	Agriculture, Forestry and Fishing ... ..	12	—	12
II	Coalmining ... ..	62	—	62
	Other Mining and Quarrying ...	2	—	2
III	Treatment of Non-Metal Mining Products ... ..	—	1	1
IV	Chemicals and Allied Trades ...	524	21	545
V	Sheets and Tinplates ... ..	—	—	—
	Other Metal Manufacture ... ..	515	32	547
VI	Engineering ... ..	416	65	481
	Shipbuilding and Shiprepairing ...	—	—	—
	Electrical Goods ... ..	—	—	—
VII	Vehicles ... ..	1	—	1
VIII	Metal Goods not elsewhere specified ... ..	28	3	31
IX	Precision Instruments, Jewel- lery, etc. ... ..	1	4	5
X	Textiles ... ..	364	344	708
XI	Leather, Leather Goods and Fur ... ..	—	—	—
XII	Clothing ... ..	—	—	—
XIII	Food, Drink and Tobacco ... ..	97	244	341
XIV	Manufacture of Wood & Cork ...	4	5	9
XV	Paper and Printing ... ..	2	4	6
XVI	Other Manufacturing Industries ... ..	55	84	139
XVII	Building and Contracting ... ..	121	—	121
XVIII	Gas, Electricity and Water ... ..	43	—	43
XIX	Transport & Communication ...	150	4	154
XX	Distributive Trades ... ..	156	254	410
XXI	Insurance, Banking and Finance ... ..	5	1	6
XXII	National and Local Govern- ment Services ... ..	184	46	230
XXIII	Professional Services ... ..	40	57	97
XXIV	Miscellaneous Services ... ..	19	92	111
	Ex-Service Personnel on leave	—	—	—
	Totals ... ..	2801	1261	4062

Notes : \*For details of Industrial Groups see Standard Industrial Classification 1948 (H.M.S.O.).

†These persons include those who were new entrants into insurance at 5th July, 1948 and the figures are therefore now comparable with years prior to 1948.

## MINISTRY OF LABOUR AND NATIONAL SERVICE.

National Insurance Act, 1946 : Industrial Analysis of Estimated Number of  
National Insurance Cards held by Class I Insured Persons  
(Employed and Unemployed)†

In June 1957 for MERTHYR TYDFIL, TREHARRIS and MERTHYR VALE  
Employment Exchanges and Y.E.O. Areas.

Order	*Industrial Group	Males aged 15 and over.	Females aged 15 and over.	Total Males & Females aged 15 and over.
I	Agriculture, Forestry and Fishing ... ..	85	1	86
II	Coalmining ... ..	4401	25	4426
	Other Mining and Quarrying ...	158	10	168
III	Treatment of Non Metal Mining Products ... ..	89	48	137
IV	Chemicals and Allied Trades ...	29	25	54
V	Sheets and Tinplates ... ..	—	—	—
	Other Metal Manufacture ...	12	—	12
VI	Engineering ... ..	24	2	26
	Shipbuilding & Shiprepairing ...	2	—	2
	Electrical Goods ... ..	1650	521	2171
VII	Vehicles ... ..	358	205	563
VIII	Metal Goods not Elsewhere specified ... ..	166	23	189
IX	Precision Instruments, Jewel- lery, etc. ... ..	1120	347	1467
X	Textiles ... ..	6	4	10
XI	Leather, Leather Goods and Fur ... ..	29	1	30
XII	Clothing ... ..	76	522	598
XIII	Food, Drink and Tobacco ...	259	262	521
XIV	Manufacture of Wood & Cork ...	67	5	72
XV	Paper and Printing ... ..	110	110	220
XVI	Other Manufacturing Industries ... ..	256	314	570
XVII	Building and Contracting ...	528	12	540
XVIII	Gas, Electricity and Water ...	332	26	358
XIV	Transport and Communication ...	833	43	876
XX	Distributive Trades ... ..	786	821	1607
XXI	Insurance, Banking and Finance ... ..	98	54	152
XXII	National and Local Govern- ment services‡ ... ..	885	412	1297
XXIII	Professional Services ... ..	480	927	1407
XXIV	Miscellaneous Services ... ..	204	695	899
	Ex-Service Personnel on leave ...	14	—	14
	TOTALS ... ..	13057	5415	18472

Notes : \*For details of Industrial Groups see Standard Industrial Classification 1948 (H.M.S.O.).

†These persons include those who were new entrants into insurance at 5th July, 1948 and the figures are therefore now comparable with years prior to 1948.

‡This figure does not include a large proportion of Civil Servants who pay their N.I. contributions directly.

## **PART 3.**

### **Maternity and Child Welfare**

## LOCATION OF CLINICS.

There are five clinics in the County Borough area sited in such positions as to afford the greatest possible coverage of the area and easy accessibility for persons requiring to use them. The following are details of the individual clinics with a brief statement of the services they provide :

**i. Dowlais Clinic, New Road, Dowlais.**

Serves the Dowlais and northern portion of the Penydarren Wards. Has weekly Ante-natal and Infant Welfare Clinics with occasional Specialist Clinics. Post-natal Clinics held as required.

**ii. The Hollies Clinic, Albert Street, Merthyr Tydfil.**

Has weekly Ante-natal and Infant Welfare Clinics and fortnightly Post-natal Clinics. Has facilities for Sunlight and Orthopaedic Treatment. Has daily Dental Clinics with Dentist in attendance and frequent Specialist Clinics. Serves the central area of the County Borough that is, Town, Park and Cyfarthfa Wards and southern portion of Penydarren Ward.

**iii. Glantaf Clinic, Troedyrhiw.**

Has weekly Ante-natal and Infant Welfare Clinics with occasional Post-natal Clinics. Has facilities for Sunlight and Orthopaedic Treatment and Dental Clinics are held at least once weekly. Serves the areas of Pentrebach, Abercanaid and Troedyrhiw.

**iv. Canonbie Clinic, Aberfan.**

Has weekly Ante-natal and Infant Welfare Clinics with occasional Post-natal Clinics. Has facilities for Sunlight and Orthopaedic Treatment. Serves the areas of Aberfan, Merthyr Vale and Mount Pleasant.

**v. Treharris Clinic, Bethel Chapel Vestry, John Street, Treharris.**

Provides Ante-natal and Infant Welfare Clinics each Thursday and occasionally on Friday mornings. Serves Treharris Ward, that is Treharris, Edwardsville and Quakers' Yard.

Welfare Foods are sold at all the above Clinics on the days that the Infant Welfare Clinics are held. They are also available at certain other times during the week at these Clinics. See details on page 43.



## MATERNITY AND CHILD WELFARE

Ante-natal Clinics are held at least once per week at each Clinic in the County Borough area when the patients are seen by the Assistant Medical Officer in charge. The Health Visitors and Midwives for that particular area are also present. Periodic clinics are held by a Consultant Gynaecologist and Obstetrician when cases referred by the Assistant Medical Officers are seen. The following details show the attendances at the Ante-Natal and Post-Natal Clinics during 1957.

### Attendances at Ante-natal and Post-Natal Clinics, 1957.

	No. of Clinics provided	No. of Medical Officer Sessions held per month	Number of women in attendance		Total No. of attendances during Year
			Total no. of women	New cases	
Ante-Natal	5	30	411	323	1860
Post-Natal	5	5	121	189	233

The sub-joined table shows the number of blood specimens from Expectant Mothers which were taken by the Assistant Medical Officers at the Ante-Natal Clinics. A number of these patients were referred by their own General Practitioners or as in a very small number of cases, this Department arranged for the examination of specimens submitted by General Practitioners.

### Ante-Natal Blood Specimens—1957

Examined for	Number
Rh. Factor ... ..	320
Wassermann Reaction ... ..	310
G.C.F. and Kahn ... ..	308
Blood Urea ... ..	1

Child Welfare Clinics with an Assistant Medical Officer in attendance are held at each of the Clinics in the County Borough once weekly and there is an average of thirty sessions per month in the area. The number of children under one year who first attended a Clinic in 1957 was 703 and the total number of children under five who attended was 1433. The following table enumerates the attendances according to age-group :

#### Attendances at Infant Welfare Clinics.

Age Group	No. of attendances during year.
Under 1 year ... ..	8611
1 year but under 2 years	1366
2 years but under 5 years	452
Total Attendances ...	10,429

There are nine Health Visitors employed by the Local Health Authority and these nurses also carry out the duties of School Nurses for the Local Education Authority. There are no specialist Health Visitors, all being responsible for visits to Mothers and Children, attendance at various clinics, special investigations, visits to notified cases of Measles and Whooping Cough and Tuberculosis visiting. Details of these visits during 1957 are set out below :—

#### Visits by Health Visitors—1957

Type of Visits	Children under 5 yrs.	Expectant Mothers	Children aged			T.B. visits	Other visits
			Under 1 yr.	1-2 yrs.	2-5 yrs.		
First Visits	960	538	960	—	—	—	—
Total Visits	13699	738	5562	3045	5092	521	1190

(Note : Other Visits include investigations of Home Help Applications, houses where Home Helps are working, Infectious Diseases Investigations, Stillbirth and Infant Death Inquiries, etc.)

The total number of Families or Households visited by the Health Visitors during 1957 in order to accomplish the investigations, routine visits, etc., appearing in the above table was 12,883.

#### Midwifery.

There are eight Midwives employed by the Local Health Authority under its Domiciliary Midwifery Scheme. These midwives



reside in various parts of the Borough in order to ensure an even distribution with regard to the population and maximum availability and efficiency. During 1957 they attended two hundred and sixty three domiciliary cases. Of these cases, sixteen were delivered when a doctor was present and the remaining two hundred and forty seven without a doctor present. It was necessary for the midwives to send to General Practitioners for Medical Aid under Section 14(1) of the Midwives Act 1951, in forty six cases. The midwives also attended five hundred and seventy one cases on discharge from institution and before the fourteenth day. They also reported that in one hundred and forty of the cases delivered at home, the baby was wholly breast-fed on the fourteenth day. All midwives are trained to use gas and air apparatus and each has her own. One hundred and thirty two cases were delivered with the administration of gas and air analgesia without a doctor being present and fourteen such cases when a doctor was present.

### Care of Premature Infants.

The following table details the number of premature infants born in the County Borough Area during the year. As I have stated in previous reports, there is still no premature unit in this County Borough and consequently, the units at St. David's Hospital, Cardiff, Church Village, Newport and Neath have to be used. I have already mentioned that Dr. Nash and I have completed a detailed inquiry into Infant Mortality in 1954 with which the question of Prematurity is associated. When Dr. Nash's survey is completed, I hope to be able to make some observations on Premature Births.

### Premature Births.

<i>Notified from</i>	<i>Number</i>	
	<i>Live</i>	<i>Still</i>
Hospital      ...      ...      ...	79	16
Home            ...      ...      ...	11	3
Private Nursing Home      ...	Nil.	Nil.

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## ST. TYDFIL'S HOSPITAL AND GWAUNFARREN MATERNITY HOME

Eight hundred and forty eight cases entered St. Tydfil's Hospital and Gwaunfarren Maternity Home during the year for confinement, of whom 732 were mothers from the County Borough Area. Priority for admission was given to Primipara cases with obstetrical difficulties and secondly to cases where home conditions anticipated were not satisfactory.

### *St. Tydfil's Hospital :*

Total Number of births	...	...	...	...	298
Total number of Stillbirths	...	...	...	...	15
Maternal Deaths	...	...	...	...	Nil.

### *Gwaunfarren Maternity Home :*

Total number of Births	...	...	...	...	572
Total number of Stillbirths	...	...	...	...	7
Number of Maternal Deaths	...	...	...	...	Nil.

The following are details of premature infants born in hospital during 1957 :

Total Live Premature Births	...	...	...	79
No. died within 24 hours	...	...	...	7
Number survived 28 days	...	...	...	66
Total Premature Stillbirths	...	...	...	16

## PUERPERAL PYREXIA.

There was one case of Puerperal Pyrexia notified during the year.

There were no deaths from Puerperal Pyrexia during the year.

## OPHTHALMIA NEONATORUM

Five cases of Ophthalmia Neonatorum were notified during the year.

# DETAILS OF DENTAL TREATMENT—1957.

## Dental Treatment—Cases Treated.

	Examined	Needing Treatment	Treated	Made Dentally Fit
Expectant and Nursing Mothers	240	218	210	200
Children Under Five ...	224	220	198	184

## Forms of Treatment Received.

	Extrac- tions	Gen. Anaesthetics	Fillings	Scalings and Gum treat- ment	Silver Nitrate treat- ment	Radio- graphs	Dentures provided	
							Full Upper or Lower	Partial Upper or Lower
Expectant and Nursing Mothers ...	950	96	98	38	14	—	42	20
Children under five ...	264	225	30	24	36	—	—	—

## MATERNITY AND CHILD WELFARE DENTAL OFFICER'S REPORT.

Appended is a report of the work done at the Maternity and Child Welfare Centre. Details of the work will be found in the various columns. There is a slight falling off of attendances of expectant and nursing mothers for treatment which may be due to the advice given to mothers in the early stages of pregnancy or in a number seeking treatment through private practitioners. As in previous years all nursing mothers receive treatment and only urgent treatment is given to patients in the later stages of pregnancy.

There is an increase in the number of infant welfare cases which is good in its way in that it gives these young children confidence in coming to the clinic in their school years and early treatment saves a lot of trouble in later years. All teeth are saved as far as possible and only in necessitous cases are extractions done. Some expectant mothers have instructions to return for treatment after birth of baby. It may be noted that in the item 'other operations,' this includes such cases as scaling, ulcers, gum treatment, etc. Instructions are always given to the great importance of oral hygiene.

### Welfare Foods.

On 28th June, 1954, the Local Authority took over responsibility for the distribution and sale of Welfare Foods within the County Borough from the Ministry of Food. A Welfare Foods Officer and one assistant were appointed and during 1957 the following foods were sold at the various Clinics throughout the Borough :—

National Dried Milk ...	...	...	27,324 tins
Cod Liver Oil	...	...	4,120 bottles
Vitamins A and D	...	...	1,522 packets
Orange Juice ...	...	...	28,521 bottles

Distribution takes place at the various Clinics at the following times:—

<i>Dowlais Clinic</i>	...	Tuesday	Afternoon	
<i>Merthyr Clinic</i>	...	Wednesday	} Morning and Afternoon	
		Thursday		
		Saturday		Morning
<i>Troedyrhiw Clinic</i>	...	Monday	Afternoon	
<i>Aberfan Clinic</i>	...	Monday	} Morning	
		Tuesday		
<i>Treharris Clinic</i>	...	Friday	Morning and Afternoon	

### BOARDING-OUT OF CHILDREN

The undermentioned particulars here are supplied by the Children's Officer :

#### Children Boarded-out as on the 1st of September, 1957.

1. Merthyr children boarded-out in Merthyr	...	54
2. Children boarded-out in Merthyr by other Authorities	... ..	5
3. Children supervised under Child Life Protection provisions	... ..	—

## PART 4.

### The Incidence and Control of Infectious and Other Diseases



# Infectious Diseases.

WARD DISTRIBUTION OF NOTIFICATIONS RECEIVED—1957.

46

WARD	DISEASE		Scarlet Fever	Diphtheria	Whooping Cough	Measles	Erysipelas	Pneumonia	Polio-myelitis	Encephalitis Lethargica	Puerperal Pyrexia	Gastro-Enteritis	Dysentery	Cerebro-Spinal Meningitis	Pulmonary Tuberculosis	Non-Pulmonary Tuberculosis	Ophthalmia Neomatorum	TOTAL
DO WLAIS	...	...	4	—	10	45	1	1	2	—	—	—	—	1	6	—	2	72
PENYDARREN	...	...	3	—	9	31	—	—	1	—	—	1	—	—	10	2	1	58
PARK	...	...	3	—	10	29	—	2	—	—	1	1	—	—	9	—	2	57
CYFARTHFA	...	...	4	—	3	57	—	2	—	—	—	—	—	1	10	1	—	78
TOWN	...	...	4	—	4	63	1	1	—	—	—	—	—	—	12	1	—	86
PLYMOUTH	...	...	3	—	7	38	—	—	1	1	—	1	—	—	9	1	—	61
MERTHYR VALE	...	...	3	—	8	14	—	1	—	—	—	1	—	1	11	—	—	39
TREHARRIS	...	...	2	—	7	19	—	—	—	—	—	1	—	—	9	1	—	39
TOTAL	...	...	26	—	58	296	2	7	4	1	1	5	—	3	76	6	5	490

(Uncorrected Notification Totals stated).

**DIPHTHERIA.**

The number of cases of Diphtheria notified	...	...	Nil
Number of deaths	...	...	Nil
Death Rate	...	...	Nil

During the year 1957, no notification of Diphtheria was received.

No deaths occurred during 1957.

As stated in a previous Report, the immunisation campaign was commenced on the 12th of September, 1954.

Number of children completely immunised  
up to and including 31st December, 1957—22,417

During 1957, 483 children were immunized.

**SCARLET FEVER.**

Number of cases for the year 1957	...	...	26
Number of deaths	...	...	Nil

Of the 26 notified, 4 were removed to hospital, and the remainder were nursed at home. The disease continues to be mild in type.

**MEASLES.**

Number of Cases for the Year 1956	...	...	296
Number of Deaths	...	...	1

**CEREBRO-SPINAL MENINGITIS.**

Three cases of Cerebro-spinal Meningitis were notified during the year.

**ACUTE POLIOMYELITIS.**

There were four cases of Poliomyelitis notified during the year.

**GASTRITIS, DIARRHOEA AND ENTERITIS**

There were three deaths from Diarrhoea, Gastritis and Enteritis during the year. Five cases of gastro-enteritis were notified.

**CHICKEN POX.**

Chickenpox was not notifiable during the year, and we have no knowledge of the number of cases that occurred.

**SMALL-POX**

No case of Small Pox was notified during the year.

## TUBERCULOSIS.

I wish to report that the Tuberculosis Death Rate for 1957 is 219.3 per million population as compared with 134.7 in 1956. The high death rate during the past number of years has been an unpleasant feature of our Public Health, particularly when compared with the remainder of Wales and the rate for England and Wales. Our percentage reduction has been one of the largest in the country over the past three years, but this has been of small concern when comparing our high rate with those of other areas.

The Health Visitors of the Local Authority also carry out the duties of Tuberculosis Visitors and during 1957 they made five hundred and twenty one visits to T.B. Patients at their own homes. The Health Visitors attend periodically at the Chest Clinic in order to acquaint themselves with the latest techniques in the nursing and treatment of tubercular cases. Much valuable co-operating is afforded by these attendances and the nurses are able to discuss specific cases with the Chest Physician's Medical and Nursing Staff. The District Nurses also participate in the treatment of T.B. patients at home who are either awaiting admission to Sanatoria or have been discharged therefrom. During the year, the District Nurses attended seventy cases and, in order to carry out the treatments, paid one thousand six hundred and eighty four visits.

### NOTIFICATIONS.

Total number of Notifications	...	...	...	
Pulmonary	...	...	...	76
Non-Pulmonary	...	...	...	6
<i>Notification Rates (Per Thousand Population) :</i>				
Pulmonary	...	...	...	1.28
Non-Pulmonary	...	...	...	0.10

### DEATHS.

Total number of Deaths	...	...	...	13
Pulmonary	...	Males	...	10
		Females	...	2
Non-Pulmonary	...	Males	...	—
		Females	...	1
<i>Death Rates (per million population) :</i>				
Pulmonary	...	Males	...	168
		Females	...	34
Non-Pulmonary	...	Males	...	Nil
		Females	...	17
Total Death Rate (all forms)	...	...	...	219.3

The age distribution of deaths from tuberculosis is given in the following table :

Age Periods	Deaths			
	Pulmonary		Non-pulmonary	
	M.	F.	M.	F.
0—1 ... ..	—	—	—	—
1—5 ... ..	—	—	—	—
5—15 ... ..	—	—	—	—
15—45 ... ..	3	—	—	—
45—65 ... ..	4	—	—	—
65 and upwards ... ..	3	2	—	1
Totals ... ..	10	2	—	1
	13			

### ERYSIPELAS

Number of Notifications received during the year 2

Number of Deaths ... .. Nil.

Two notifications of persons suffering from Erysipelas were received during the year 1957 as compared with one in the previous year.

### BRONCHITIS.

Number of Deaths ... .. 44

Bronchitis Death Rate (Per Million Population) ... 742

Twenty-seven of the deaths occurred amongst persons aged 65 years and over, fifteen in the 45-65 years age group, one in the 15-45 years age group and one under 5 years. Of these, 34 were males and 10 were females,

**WHOOPING-COUGH.**

Number of deaths from Whooping Cough	...	Nil
Number of cases notified to the Department and visited by Health Visitors	... ..	58
Whooping Cough Death Rate	... ..	Nil

**PNEUMONIA.**

Number of Notifications received during the year	1
Number of Deaths from Pneumonia (all forms)	... 36
Pneumonia Death Rate (per Million Population)	... 607

**VENEREAL DISEASES.**

The facilities for diagnosis and treatment for the above conditions are in the Mardy Hospital Grounds.

The Clinics are available at 3 p.m. for females on Tuesdays and for males on Thursdays at 5 p.m. The Irrigation Room is open daily (except Sundays) at 12 noon and 5 p.m.

On January 1st, 1957, 2 males and 5 females were under treatment, during the year 2 males and 1 female came under treatment for the first time. The number of cases which ceased to attend before the completion of treatment was 3.

The number of cases remaining under treatment on the 31st December, 1957, was 1 male and 3 females.

The number of attendances—

(a) For individual attention of the Medical Officer was :  
75 males and 196 females.

(b) For intermediate treatment, e.g., dressings, etc. was :  
Nil.



### Attendances at V.D. Clinic 1935—1957

Year	Males	Females	Total
1935	6887	1928	8815
1936	5981	1697	7678
1937	6564	1689	8253
1938	6018	1321	7339
1939	5802	995	6797
1940	4129	1070	5199
1941	2346	1459	3805
1942	2234	1851	4085
1943	1946	1699	3645
1944	2744	1110	3844
1945	2446	1430	3876
1946	2809	969	3378
1947	1406	681	2087
1948	1458	905	2363
1949	484	291	775
1950	671	306	977
1951	276	228	508
1952	203	67	270
1953	218	103	321
1954	177	133	310
1955	163	240	403
1956	81	211	292
1957	75	196	271

### Syphilitic Diseases

Number of Deaths ... .. Two

### LABORATORY INVESTIGATIONS

The number of specimens submitted during the year were as follows :—

#### *PATHOLOGICAL SPECIMENS :*

Ear, Nose and Throat Swabs	...	...	57
Faeces	...	...	231
C.S. Fluid	...	...	21
Urine	...	...	2
Blood	...	...	8
Sputum	...	...	1

These figures do not, however, include the numbers of specimens of blood taken at the Ante-Natal Clinics for Rh. Factor and Wassermann Reaction. These are reported under the heading "Maternity and Child Welfare" in Section Four of this Report.

## HOSPITAL TREATMENT OF INFECTIOUS DISEASES

The following tables indicate the details of infectious diseases treated at the Mardy Isolation Hospital and Pontsarn Sanatorium during the year. These hospitals are, of course, controlled by the Regional Hospital Board, but owing to their association with the general work of prevention of infectious diseases, I think the inclusion of these details is of great interest. For a similar reason the details of Gwaunfarren Maternity Home are given because of its association with our Ante-Natal Clinics. Cases of infectious diseases from outside the County Borough Area are included in the tables.

### ANALYSIS OF CASES TREATED IN MARDY ISOLATION HOSPITAL — 1957.

DISEASE			<i>In Hosp.</i> 31/12/56	<i>Ad-</i> <i>mited</i>	<i>Dis-</i> <i>charged</i>	<i>Deaths</i>	<i>In Hosp.</i> 31/12/57
Scarlet Fever	...	...	3	11	13	—	1
Diphtheria	...	...	1	5	5	—	1
C.S.M./T.B. Men	...	...	1	17	17	—	1
Poliomyelitis	...	...	—	14	14	—	—
Gastro-Enteritis	...	...	2	22	23	1	—
Chicken Pox	...	...	—	6	6	—	—
Pemphigus	...	...	—	1	1	—	—
Dysentery	...	...	—	11	10	—	1
Ophthalmia Neonatorum	...	...	—	2	2	—	—
Erysipelas...	...	...	—	2	2	—	—
Influenza	...	...	—	12	7	5	—
Whooping Cough	...	...	—	19	18	1	—
Measles	...	...	—	18	16	1	1
Paratyphoid	...	...	—	8	6	—	2
Observation	...	...	—	16	16	—	—
Mumps	...	...	—	2	2	—	—
<b>Total Infectious Diseases</b>	...	...	7	166	158	8	7

# ANALYSIS OF PATIENTS TREATED AT MARDY ISOLATION HOSPITAL—cont.

DISEASE	In Hosp. 31/12/56	Ad- mitted	Dis- charged	In Hosp Deaths 31/12/57
<b>Merthyr Tydfil C.B.</b>				
Scarlet Fever ...	1	4	4	—
Diphtheria ...	1	2	3	—
C.S.M./T.B. Men ...	—	7	6	—
Poliomyelitis ...	—	4	4	—
Gastro-enteritis ...	—	12	11	1
Chicken Pox ...	—	3	3	—
Erysipelas... ...	—	1	1	—
Ophthalmia Neonatorum	—	1	1	—
Whooping Cough ...	—	7	7	—
Measles ...	—	11	10	1
Paratyphoid ...	—	5	4	—
Observation ...	—	4	4	—
Influenza ..	—	5	2	3
Dysentery ...	—	3	3	—
	2	69	63	5
				3

## Aberdare U.D.C.

Paratyphoid ..	—	2	1	—	1
Measles ...	—	7	6	—	1
Diphtheria ...	—	2	1	—	1
C.S.M./T.B. Men ...	—	6	6	—	—
Poliomyelitis ...	—	4	4	—	—
Gastro-enteritis ...	2	5	7	—	—
Scarlet Fever ...	—	2	2	—	—
Dysentery ...	—	4	4	—	—
Observation ...	—	6	6	—	—
Influenza ..	—	5	3	2	—
Mumps... ..	—	2	2	—	—
Whooping Cough ..	—	7	7	—	—
	2	52	49	2	3

**Analysis of Patients Treated at Mardy Isolation Hosp.—cont.**

<i>DISEASE</i>	<i>In Hosp.</i> <i>31/12/56</i>	<i>Ad-</i> <i>mitted</i>	<i>Dis-</i> <i>charged</i>	<i>In Hosp.</i> <i>Deaths 31/12/57</i>
<b>Mountain Ash U.D.C.</b>				
Chicken Pox .. ..	—	1	1	—
Influenza .. ..	—	1	1	—
Scarlet Fever ...	—	3	3	—
C.S.M./T.B. Men ...	—	3	3	—
Dysentery ...	—	3	2	1
Ophthalmia Neonatorum	—	3	2	—
Diphtheria ...	—	1	1	—
Poliomyelitis ...	—	4	4	—
Whooping Cough ...	—	5	4	1
Observation ...	—	1	1	—
Gastro-Enteritis ...	—	4	4	—
Pemphigus ...	—	1	1	—
Erysipelas .. ..	—	1	1	—
	—	29	27	1

**Breconshire C.C. and Brecon Borough Council :**

Dysentery .. ..	—	1	1	—	—
Scarlet Fever ...	2	2	4	—	—
Gastro Enteritis ..	—	1	1	—	—
C.S.M./T.B. Men ...	—	1	1	—	—
Observation .. ..	—	2	2	—	—
Poliomyelitis ...	—	2	2	—	—
Chicken Pox .. ..	—	1	1	—	—
	2	10	12	—	—

**Other Authorities :**

Chicken Pox .. ..	—	1	1	—	—
Paratyphoid .. ..	—	1	1	—	—
C.S.M. ...	1	—	1	—	—
Influenza .. ..	—	1	1	—	—
Observation .. ..	—	3	3	—	—
Totals ...	1	6	7	—	—

## SMALLPOX VACCINATION

All the vaccinations and re-vaccinations against Smallpox, carried out during the year were done by Medical Practitioners. Only under exceptional circumstances are vaccinations done at the Local Health Authority Clinics, although much importance is attached to the need for it and the Health Visitors encourage Parents to have their children vaccinated within six months. In 1957 fifty vaccinations and eight re-vaccinations were performed by the General Practitioners.

## HOME NURSING.

The nurses operating this service continue to be very hard worked, although a much greater degree of co-operation seems apparent this year with the General Practitioners. I am sure the Doctors are fully aware of the amount of work that the District Nurses have to cope with and except in a very few isolated cases, they have gone to some length to relieve the Nurses if it is at all possible to do so. The table below gives details of the numbers of cases attended and visits paid by the District Nurses during the year.

### Home Nursing Visits and Cases.

	Medi- cal.	Surg- ical.	Infect. Diseases.	T.B.	Maternal Cmpl'ns.	Other Cases	Total
Cases Atten'd	901	300	1	70	30	227	1529
Visits Paid	27351	9845	6	1684	257	548	39691

The next table gives a further analysis of the cases and visits set out in the previous table. Details regarding children under 5 years and patients over 65 years and also those who had more than twenty-four visits in the year are as follows :—

### Home Nursing—Special Classes of Patient.

		Patients who at time of first visit were :		Patients who had more than twenty- four visits during year.
		Under 5 yrs	Over 65 yrs	
Cases attended	...	42	398	501
Visits paid	...	280	12968	18708



## HOME HELPS

During the year, fifteen home helps were employed on a part-time basis and they provided help in twenty three cases. This may appear on first sight to be very small for a County Borough of this size, but considerable co-operation was received from the National Assistance Board in the provision of home helps. A large proportion of the cases are not in a position to pay all or part of the cost, and consequently, although the Superintendent Nursing Officer was instrumental in placing the Home Help, the Board took responsibility for them and these cases are not included in our figures. The cases where help was provided came in the category — Chronic Sick, including Aged and Infirm.

## MEDICAL EXAMINATION OF EMPLOYEES STUDENTS, TEACHERS, ETC

The following are details of medical examinations which were carried out by the Medical Officer of Health and Assistant Medical Officers during the year :—

College Students and Teaching Appointments	85
Omnibus Department ... ..	43
Penoyre House Staff ... ..	4
Fire Brigade ... ..	7
Town Hall & Education Dept. Candidates ...	121
Public Works Employees ... ..	161
Police Candidates ... ..	10
Others ... ..	35
	<hr/>
Total ... ..	464
	<hr/>

Of the above, 263 also received an X-Ray examination.

## POLIOMYELITIS VACCINATION.

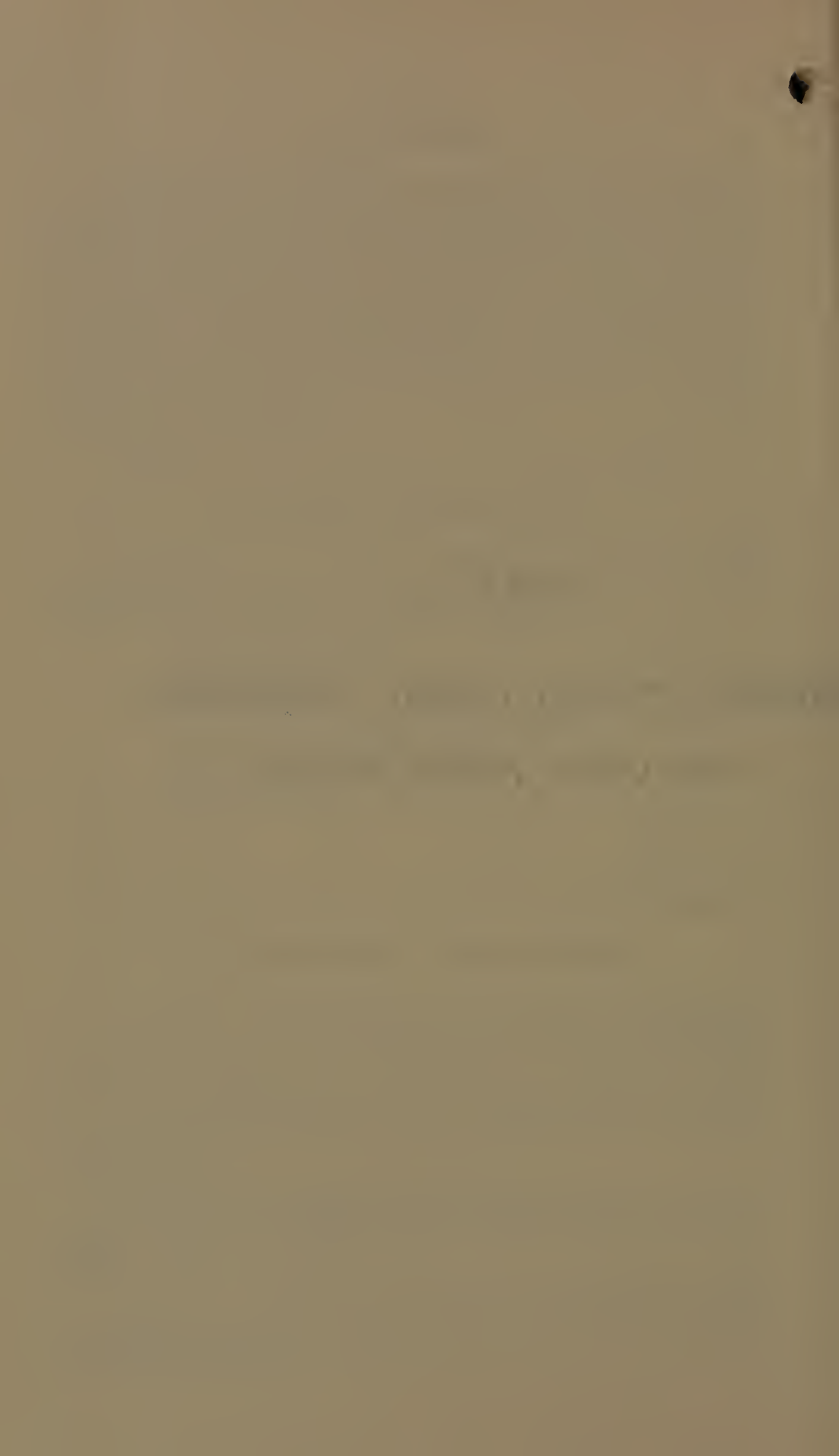
In March, 1956, registration for Poliomyelitis Vaccination was offered to all schoolchildren born from 1947 to 1952 inclusive. The parents or guardians of 2,767 children consented and 285 of these were given the complete course of two injections in 1956. The campaign was extended in 1957 to include children between 1943 and 1946 inclusive and a further 1549 children were registered in this group.

During 1957, a total of 2,137 children of all age groups completed the course of vaccination and on 31st December, 1957 there were in addition, 551 children who had received the first injection only.

Supplies of vaccine were received at approximately monthly intervals during the year and vaccination was continued throughout the Summer months.

## **PART 5.**

**Welfare, Mental Health, Ambulance  
and other Allied Services**



## 59

Milage, 121,581





## AMBULANCE SERVICES.

The Ambulance Service is centralized at the Market Hall, Merthyr Tydfil and is under the direct control of the Medical Officer of Health, to whom an Ambulance Officer located at the Market Hall is responsible for the running and efficiency of the service. The remarks I made last year regarding the number of ambulances engaged upon conveying patients to various Out-Patients Departments in Cardiff still hold. However, Out-Patients Departments are now in operation at St. Tydfil's Hospital, and this has some effect upon the distances that patients are carried to such Departments. You will observe that there is an increase in the total mileage for the Year. Appeals have been made to the General Practitioners to give sufficient notice so that all the patients can be put on one Ambulance instead of having say, three ambulances going at half-hour intervals to Cardiff each carrying only one patient. These appeals, I feel sure, have not gone unheeded but still a great amount of running time is wasted by ambulances having to wait one or two hours at Cardiff until the patients are seen. This, of course is common to most Authorities who send patients some distance to Treatment and Consultation Centres. As I said last year, I would not expect preferential treatment for Merthyr patients so that they may be seen immediately on arrival and waiting time is thus minimal, but the fact remains that this system causes an unavoidable wastage of running-time and man hours. The following table shows a comparison of the Journeys, Patients carried and Mileage for the years 1949 to 1957.

**Ambulance Service ; Mileage ; Patients ;  
Journeys, 1949-1957.**

Year.	Total number of journeys.	Number of Patients carried.	Total mileage covered.
1949	... 5072	... 6241	... 72035
1950	... 5926	... 10044	... 91831
1951	... 5853	... 12541	... 91835
1952	... 6359	... 14899	... 99419
1953	... 6582	... 16694	... 104548
1954	... 6924	... 18001	... 109527
1955	... 7407	... 24490	... 119882
1956	... 7602	... 25207	... 117699
1957	... 7509	... 24681	... 121587

Next, details of the patients per journey for the years 1950 to 1957 are given. I have not included the year 1949 because I feel that that year was not a typical one, the service having just started and not got into its stride. Its inclusion in the table would falsely exaggerate the trend in the Patients per journey factor. The maintenance of the average number of Patients carried per Journey is gratifying because it indicates greater efficiency in the planning of journeys and loading of ambulances and a more economic application of the Service in general. I also feel that it helps to

substantiate my remarks that the co-operation and consideration of the General Practitioners is much greater.

### **Patients Carried per Journey, 1950-1957.**

<i>Year.</i>	<i>Patients per Journey.</i>
1950	1.697
1951	2.143
1952	2.343
1953	2.536
1954	2.600
1955	3.307
1956	3.316
1957	3.287

### **MENTAL HEALTH.**

The Local Authority is responsible for the control of the combined services of Mental Deficiency and the initial proceedings for Mental Treatment. The Local Authority has a special sub-committee of the Health Committee which deals with Mental Health Services. A part-time Consultant Psychiatrist, who deals principally with school children, is available on the Staff for adult cases. However, all adults almost without exception, attend the Psychiatric Out-Patients Clinic at the Merthyr General Hospital at which a Consultant Psychiatrist employed by the Regional Hospital Board attends. With regard to children, in addition to the part-time Psychiatrist, the Local Education Authority employs a full-time Psychologist. Two of the Assistant Medical Officers are recognised by the Ministry of Education for the purposes of certification of children under the Mental Deficiency Act. The Local Authority employs a full-time Duly Authorised Officer, who has the assistance of a part-time Deputy Duly Authorised Officer when required.

The subjoined table shows the number of patients in the various categories who entered Mental Hospitals during 1957 :

### **Admission to Mental Hospitals, 1957.**

<i>Hospital.</i>	<i>Voluntary.</i>	<i>Certified.</i>	<i>Temporary</i>
Cefn Coed Hospital, Swansea ...	2	...	—
Morgannwg Hospital, Bridgend	107	...	20
Mid-Wales Hospital, Talgarth	1	...	2
Whitchurch Hospital, Cardiff ...	1	...	—
Totals ...	111	17	22

*i. Prevention Care.* During the year, the co-operation of the Merthyr and Aberdare Hospital Management Committee has continued and full advantage has been taken of the facilities

provided by the Psychiatric Clinic held weekly in the Out-Patients' Department of the Merthyr General Hospital. Patients were submitted by the General Practitioners directly or through the Duly Authorised Officer. Where physical handicap or other causes prevent attendance at the Hospital, the Psychiatrist has willingly agreed to visit the home. Regular contact and liaison between relatives and patients receiving hospital treatment is maintained by the Duly Authorised Officer. Discharged patients are constantly supervised by the Local Health Authority and trial periods of discharge are given in order that patients may gradually re-orientate themselves and adapt themselves once more to home life. Where homes are unsuitable or not available, patients are discharged to Hostel Accommodation under Part III of the National Assistance Act.

ii. *Mental Deficiency.* There are four patients awaiting admission to Mental Deficiency Institutions in respect of whom applications have been made to the Regional Psychiatrist. Great difficulty is being experienced in effecting the admission of patients because of the lack of accommodation.

### Patients from the County Borough in Institutions, 1957.

<i>Institution.</i>	<i>Male</i>				<i>Female</i>			
	<i>Over 16.</i>		<i>Under 16.</i>		<i>Over 16.</i>		<i>Under 16.</i>	
Hensol Castle, Pontyclun ...	10	...	—	...	8	...	2	...
Ely Hospital, Cardiff ...	1	...	1	...	—	...	—	...
Stoke Park Colony, Bristol ...	3	...	—	...	—	...	—	...
St. Mary's Convent, Roehampton	—	...	—	...	1	...	—	...
Llys Maldwyn Hosp., Caersws...	—	...	—	...	—	...	1	...
Llanfrechfa Grange, Newport ...	1	...	—	...	—	...	—	...
Eryri Hospital, Caernarvon ...	—	...	1	...	—	...	—	...
Oakwood Park, Conway ...	1	...	1	...	—	...	—	...

iii. *Defectives in the Community.* The Local Authority is responsible for the supervision of patients on licence from Mental Defective Institutions. Reports on home conditions and supervision are carried out by the Duly Authorised Officer in co-operation with the Health Visitors. The number of defectives under special supervision in 1957, together with the patients awaiting institutional care and on licence is as follows :

	<i>Males.</i>				<i>Females.</i>			
	<i>Over 16.</i>		<i>Under 16.</i>		<i>Over 16.</i>		<i>Under 16.</i>	
Awaiting admission to Institutions	—	...	3	...	—	...	1	...
On licence	...	...	3	...	—	...	1	...
Under supervision	...	...	14	...	11	...	23	...

## WELFARE SERVICES.

## I. NATIONAL ASSISTANCE ACT, 1948.

(a) Section 21, Provision of Residential Accommodation.

During 1957, residential accommodation was provided at St. Tydfil's Hospital for an average weekly number of one hundred and two persons. The age groups of these persons were as follows :

Men.		Women.		Total.
<i>Under</i> 65 yrs.	<i>Over</i> 65 yrs.	<i>Under</i> 65 yrs.	<i>Over</i> 65 yrs.	
20	66	6	10	102

Of these, four men and one woman were chargeable to Glamorgan County Council and one man to Hants. County Council.

In addition, forty seven cases were admitted to Hospital and eleven were discharged. A further nine cases were discharged at their own request. Seventeen new cases were admitted during the year to Part III accommodation. Temporary accommodation was provided for five persons seeking shelter of a temporary nature through eviction or other urgent causes.

*Pant House.* Residential accommodation was provided for an average weekly number of fourteen persons in the following age groups :

Women.		
Under 65 yrs.	Over 65 yrs.	Total
5	9	14

**Pentrebach House.** The average weekly number accommodated during the year was thirty. The surroundings and amenities compare very favourably with Hostels provided by other Local Authorities in Wales.

Facilities for the weekly attendance of residents at local Cinemas were available throughout the year and season tickets were provided for those desirous of attending football matches. Concerts were also given at St. Tydfil's Hospital and the residents of Pant House were entertained to teas, concerts, etc., by voluntary organisations attached to the local churches. The Entertainments Committee of the County Borough, as usual, provided tickets for the Annual Fete and Gala held at Cyfarthfa Park.

*Duffryn Taf.* This house was officially opened during 1957 with thirty-five residents. The total accommodation will be fifty four.

(b) **Section 29—Welfare of the Blind.**

The welfare of blind persons is undertaken on an agency basis on behalf of the Council by the Merthyr Tydfil and Mid Wales Institution for the Blind. The number of registered blind persons during the year was three hundred and three, which is a decrease of one since last year.

The blind population is grouped as follows :—

0-4	5-10	11-15	16-20	21-29	30-39	40-49	50-59	60-64
Nil.	3	2	2	1	5	19	26	24
65-69	70 & Over							
40	181							



Of the eighteen persons employed in the Workshops, six men work in the Basket Department, four men in the Brush Department, five men in the Mat Department and three women in the Hosiery Department. The Institute has the services of a Blind Organiser employed by the Royal National Institute, and two persons during the year, were employed in sighted industry.

During the year, ninety-eight persons were examined by Dr. Parry for blindness, and thirty-six were certified as Blind Persons in accordance with the Act.

On the 31st December, 1957, there were one hundred and nine Partially Sighted Persons on the Register, grouped as follows :

16-20	21-49	50-64	Over 65 yrs.
1	2	13	93

### (c) Incidence of Blindness.

During the year 1957, thirty-six persons were admitted to the Register of the Blind and sixty-two to the Register of the Partially-sighted upon receipt of Form B.D.8.

Of the thirty-six blind persons, the cause of the disability was Cataract in 21 cases, 11 of which were recommended for treatment and treatment was commenced in 5 of those cases. Two cases of Glaucoma were registered, one of which was recommended for and commenced treatment. Thirteen cases were classified under the heading "Other Causes", 7 being recommended for and commenced treatment. No cases were registered through Retro-lental Fibroplasia.

On the Partially Sighted Register, Form B.D.8 recommended treatment in 12 cases out of the fifteen cases of Cataract registered and treatment was commenced in all these cases. Two cases of Glaucoma were registered, recommended for treatment and treatment commenced. Forty-five cases were registered through other causes and all received treatment.

No cases of Ophthalmia Neonatorum were notified during the year.

Total number of Forms B.D.8 received was 96.

### Follow-Up of Registered Blind Persons—1957.

	Cause of Disability			
	Cataract	Glaucoma	Retro-lental Fibroplasia	Others
(a) Number of cases registered during the year in respect of which para. 7(c) of Forms BD8 recommends :				
i. No treatment ... ..	6	1	Nil.	6
ii. Treatment (Medical, Surgical or Optical) ...	11	2	Nil.	7
iii. Number of cases in ii above which on follow-up action have received treatment	5	1	Nil.	7



# FOLLOW-UP OF REGISTERED PARTIALLY SIGHTED PERSONS —1957

	Cause of Disability			
	Cataract	Glaucoma	Retrolental Fibro-plasia	Others
(b) Number of cases registered during the year in respect of which para. 7(c) of Form B.D.8 recommends :				
i. No treatment ... ..	1	Nil	Nil	14
ii. Treatment (Medical, Surgical or Optical) ...	11	2	Nil	31
iii. Number of cases in ii. above which on follow up action have received treatment ... ..	11	2	Nil	25

## CEREBRAL PALSY, SPASTICS AND EPILEPTICS

The following data regarding Cerebral Palsied, Spastics and Epileptics has been made available through various sources, including the Home Nursing Service, Health Visitors and Welfare Service. Whilst I do not think it is complete, it does include a large proportion of those persons suffering from these complaints.

### (a) *Cerebral Palsied.*

A large number of these consist of adult Hemaplegics, many of advanced years. There are, however, a few children which are known to come into this category. The following table sub-divides the known cases :—

Category.	Male.	Female.
Adults ... ..	13	14
Pre-school age... ..	1	1
School age—Attending School	4	6
Non-attenders	1	1

Of the fourteen cases included in the Categories Pre-school and School Age, one boy and two girls were recommended for admission to a Special School.

*(b) Spastics.*

I am confident that all Spastics of school age and younger are known to the Department, but our figure for adults is not complete. We have included a number of cases who were known to be Spastics when in school and have now grown up. As for the still older portion of the population, it is only by local knowledge of the Health Visitors and District Nurses, that we are able to discover them.

<i>Category.</i>	<i>Male.</i>	<i>Female</i>
Adults—Working ... ..	1	—
Not Working ... ..	6	1
Pre-school age ... ..	4	2
School-age—Attending School	7	5
Non-attenders ... ..	4	2

There are twenty Spastics under or of school-age. Of these six boys and two girls are receiving treatment through the local Health Authority in conjunction with the Hospital Services. Three of the boys have also been recommended for admission to a Special School.

*(c) Epileptics.*

There are forty-two known Epileptics in the County Borough and the following table shows the sub-divisions :—

<i>Category.</i>	<i>Male.</i>	<i>Female.</i>
Adults ... ..	12	15
Pre-school age... ..	—	—
School-age—Attending School	4	5
Non-attending ... ..	5	—

Of the above, two boys and three girls are receiving regular treatment from the Local Health Authority in conjunction with the Hospital Management Committee. Of the forty-two cases, six adult males, four boys, four adult females and one girl suffer from Epilepsy associated with Mental Deficiency or Retardation.



## **PART 6.**

### **Sanitary Inspection and Housing**

## SANITARY INSPECTIONS OF THE AREA.

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Of the Notices served, 274 were Statutory and 397 Informa

Repairs carried out or nuisances abated :

1. Number of houses repaired or made fit	...	...	464
2. Provided with vertical damp courses	...	...	28
3. Roofs repaired	...	...	412
4. Floors repaired, ventilated, etc.	...	...	145
5. Internal plasterings to walls and ceilings	...	...	159
6. Windows repaired, and made to open, etc.	...	...	110
7. Sash cords renewed	...	...	46
8. Food Stores repaired, etc.	...	...	59
9. Stairs and staircases repaired	...	...	68
10. Skirting boards, provided or repaired	...	...	38
11. Doors repaired, re-hung or renewed	...	...	147
12. Firegrates repaired, re-set or renewed	...	...	72
13. Chimney stacks repaired	...	...	116
14. Sink wastes repaired or renewed	...	...	64
15. New Sinks provided or fitted	...	...	12
16. External walls repaired, cemented or re-built	...	...	76
17. Ovens repaired or renewed	...	...	14
18. Eaves gutters and rainwater pipes repaired or renewed	...	...	354
19. Dangerous walls repaired	...	...	39
20. Yards and passages repaired and paved	...	...	56
21. Obstructed drains cleansed	...	...	376
22. Yard gulleys provided	...	...	14
23. Drains repaired or reconstructed	...	...	98
24. Inspection chamber covers renewed	...	...	28
25. W.C. pans renewed	...	...	64
26. W.C. cisterns repaired or renewed	...	...	94
27. Soil pipes or ventilating shafts renewed or repaired	...	...	56
28. Closet structures repaired or reconstructed...	...	...	87
29. Animals Improperly kept	...	...	12
30. Smoke nuisances	...	...	21
31. Accumulations	...	...	216





## RODENT CONTROL. PREVENTION OF DAMAGE BY PESTS ACT, 1949.

In accordance with the requirements of the above Act and instructions issued by the Director of Infestation Control, Ministry of Agriculture and Fisheries the work of Rodent Control was continued throughout the year by the Rodent Control Staff under the supervision of the Chief Public Health Inspector. The Rodent Control Staff consists of 1 Rodent Officer and 2 Rodent Operators employed full time (1 Operator employed from 1st July, 1957) and 8 part time employed for the testing and treatment of sewer manholes.

Complaints from Occupiers of 707 premises were investigated and treatment carried out where necessary. Numerous other infestations were discovered and were dealt with accordingly. In addition the Testing, Baiting and Poisoning of Sewers throughout the Borough has been continued.

### 1. TREATMENT OF SEWERS.

The treatment of sewers was completed in accordance with the Ministry of Agriculture and Fisheries instructions.

Two Maintenance Treatments were carried out during the year as follows:—

**1st MAINTENANCE TREATMENT—21st January to 8th February 1957 :**

Number of manholes in foul and connected systems ...	2108
Number of manholes baited ... ..	615
Number of manholes showing prebait take ... ..	420
Number of manholes showing complete prebait take ...	155
Scheme of baiting used ... ..	Consecutive days
Bait and Poison used ... ..	Bread Mash & Arsenic

#### TEST BAITING :

- (i) Date on which tests were laid ... 7th-10th Jan., 1957
- (ii) Number of manholes tested ... .. 45
- (iii) Number of tested manholes showing bait take ... 25

**2nd MAINTENANCE TREATMENT—21st June to 19th July, 1957 :**

Number of manholes in foul and connected systems ...	2158
Number of manholes baited ... ..	1115
Number of manholes showing prebait take ... ..	669
Number of manholes showing complete prebait take ...	240
Scheme of baiting used ... ..	1st, 3rd & 5th days
Bait and Poison used ... ..	Sausage Rusks and Zinc Phosphide

#### TEST BAITING :

- (i) Date on which tests were laid ... 17th-20th June, 1957
- (ii) Number of manholes tested ... .. 213
- (iii) No. of tested manholes showing bait take ... 95

### 2. OTHER SURFACE AND SEWER DISINFESTATIONS.

Total inspections including reinspections ... ..	164
As a result of notification ... ..	24
„ „ Survey... ..	43
Otherwise—when visited for some other purpose ...	10
Major infestations found ... ..	22
Minor infestations found ... ..	49
Total treatments carried out including retreatments ...	143

## 3. SURFACE DISINFESTATIONS.

The following table shows work carried out during the year by the Rodent Control Staff in connection with Surface Disinfestations:—

	TYPE OF PROPERTY				
	Local Author- ity	Dwell- ing Houses	B.P. and All Others	TOTAL	Agri- cultural
Number of properties inspected as a result of :—					
(a) Notification ... ..	35	576	96	707	—
(b) Survey under Act ...	86	746	84	916	31
(c) Otherwise—When visited for some other purpose ... ..	34	149	55	238	—
Total Inspections—including re-inspections ... ..	250	1,578	290	2,118	31
Number of premises found to be infested by :—					
(a) Rats					
Major ... ..	5	29	13	47	—
Minor ... ..	31	500	45	576	—
(b) Mice					
Major ... ..	28	193	9	230	—
Minor ... ..	2	21	1	24	—
Number of infested premises treated by local Authority ...	66	743	68	877	—
Total number of treatments including re-treatments ...	96	851	96	1043	—
Number of notices served under Section 4 :—					
(a) Treatment ... ..	—	—	1	1	—
(b) Structural works (i.e. proofing) ...	—	—	—	—	—
Number of cases in which default action was taken following the issue of a notice under Sec. 4	—	—	—	—	—
Legal Proceedings ... ..	—	—	—	—	—
No. of Vertical Block Control schemes carried out ...	—	—	—	31	—

## 4. REFUSE TIPS.

All Refuse Tips in the Borough were inspected regularly during the past year and where infestations were found they were dealt with.

## SHOPS ACT 1950 and other MISCELLANEOUS ACTS.

### **Shops Act 1950 :**

In connection with this Act and the Young Persons (Employment) Act 1938, 621 visits of inspection etc. were made in order to ensure the records, hours of employment etc. were correctly observed at shops, wholesalers and other premises where this Act is operative. A small number of minor infringements were noted but these were corrected on giving a verbal warning. Eight written notices were issued for non-compliance.

841 visits of inspection and registration were made under Section 37 of the Shops Act 1950, which embraces the health and welfare of shop workers, and also under the Early Closing, and Hours of Closing Sections. Twenty one informal notices were served under Section 37 and details of these are enumerated below :—

<i>Requirement.</i>	<i>Number Defective.</i>	<i>Informal Notices Served.</i>	<i>Statutory Notices Served.</i>
Provision and maintenance of :			
(a) Sanitary Conveniences	... 15	13	Nil.
(b) Washing Facilities	... 3	3	Nil.
(c) Temperature	... 3	3	Nil.
(d) Ventilation	... 2	2	Nil.
(e) Facilities for Meals	... —	—	Nil.
Total	... 23	21	—

### **Pharmacy and Poisons Act :**

Thirty-nine premises are registered for the sale of Poisons listed in Part II of the Pharmacy and Poisons Act, 1933. One hundred and ninety-five visits of inspection were made during the year and in all cases the Act was properly observed.

### **Refreshment Houses Act, 1870.**

Thirty seven licenses of registration under this Act were issued by the Town Clerk's Department during the year.

### **Heating Appliances (Fireguards) Act.**

All appliances inspected during the year were found to comply with this Act.

## **COMMON LODGING HOUSES.**

There are 2 common lodging-houses in the Borough and 26 visits of inspection were made by the Inspectors. Three notices were served during the year to abate nuisances or remedy defects. The conditions generally may be said to be fairly satisfactory.

## **HOUSES LET IN LODGINGS.**

Twenty remain on the Register. One hundred and eleven visits of inspection were made by the Inspectors, and 8 notices were served, to abate nuisances or remedy defects.

## **OFFENSIVE TRADES.**

There are 4 premises where offensive trades are carried on : gut-scrapers, 1 ; fellmonger, 1 ; knackers, 1 ; fat-rendering, 1 ; No complaints regarding these premises were received during the year. Thirty-one inspections were made during the year.

## **SCHOOLS.**

The sanitary condition of Schools is reported in the School Medical Report. The action taken in relation to the health of the scholars and for preventing the spread of infectious diseases is in conformity with the Memorandum on the Closure and Exclusion from School, 1925, issued conjointly by the Ministry of Health and the Ministry of Education, and revised in 1943.

## **CLOSET ACCOMMODATION.**

Ninety-four notices to repair or replace w.c. cisterns and sixty-four notices to renew w.c. pans were served to repair during the year. Four hundred and seventy-one notices were issued to repair dilapidated, defective and choked drains.

## PROSECUTIONS 1957

The following is a summary of Police Court Proceedings taken during 1957 :—

<i>Nature of Offence, and Act under which proceedings were taken.</i>	<i>Initials of Defendant.</i>	<i>Result</i>
1. Nuisance under Public Health Act, 1936	S.I.R.	Withdrawn on completion of Notice.
2. Nuisance under Public Health Act, 1936	D.H.	Withdrawn on completion of Notice.
3. Nuisance under Public Health Act, 1936	J.H.E.	Withdrawn on completion of Notice.
4. Nuisance under Public Health Act, 1936	J.H.E.	Withdrawn on completion of Notice.
5. Nuisance under Public Health Act, 1936	E.E.	Order for 14 Days and Costs.
6. Nuisance under Public Health Act, 1936	J.H.E.	Withdrawn on completion of Notice.
7. Nuisance under Public Health Act, 1936.	E.J.	Fined £1.
8. Nuisance under Public Health Act, 1936	M.L.C.	Withdrawn on completion of Notice.
9. Nuisance under Public Health Act, 1936.	J.J. & H.	Order for 2 months and Costs.
10. Nuisance under Public Health Act, 1936	M.J.	Withdrawn on completion of Notice.
11. Nuisance under Public Health Act, 1936	W.T.	Withdrawn as per letter from Town Clerk.
12. Foods & Drugs Act	P.S.	Fined £10.
13. Nuisance under Public Health Act, 1936.	R.B.	Fined £1.
14. Nuisance under Public Health Act, 1936.	M.K.	Fined £1.
15. Nuisance under Public Health Act, 1936	R.D.	Withdrawn on completion of Section 39. Fined £1 under Section 45 and Order for 14 days under Section 94.
16. Nuisance under Public Health Act, 1936.	J.J. & H.	Fined £3 and Costs.
17. Nuisance under Public Health Act, 1936	M.P.	Withdrawn on completion of Notice.
18& 19 Nuisance under Public Health Act, 1936	D.W.H.	Order for 28 days on each Notice.
20. Food and Drugs Act	H.D.	Fined £15 and Costs.



## PUBLIC CLEANSING.

### REFUSE COLLECTION :

With the completion of the change-over from horse-drawn vehicles to mechanical transport, a twice weekly system of collection is now in operation.

### REFUSE DISPOSAL.

Refuse collected from the Town, Dowlais, Penydarren and Parks Areas was deposited at Twynyrodyn Site and near Mansfield Terrace.

Refuse from the Lower valley areas—(a) Abercanaid, Pen-trebach, Troedyrhiw at Twynyrodyn site. (b) Treharris, Quakers' Yard, Abercynon and Merthyr Vale at Mount Pleasant site.

### STREET CLEANSING :

Roads and streets throughout the Borough are cleansed each day by manual and mechanical brushing. Street gullies are emptied and cleansed by Automatic Gully Cleansers.

## RENT ACT 1957.

Number of Applications for Certificates of Disrepair	..	120
Number of Certificates granted	.. .. .	63
Number of Certificates Cancelled	.. .. .	3
Number of Undertakings submitted and accepted	..	23

This Act came into operation in July, 1957.

## HOUSING STATISTICS.

## NEW HOUSES.

Number of New Houses erected during the year :—

(a) Total, including numbers given separately under (b) ... ..	161
(b) With State assistance under the Housing Acts :—	
(i) By the Local Authority ... ..	150
(ii) By other bodies or persons ... ..	Nil

## 1. Inspection of Dwelling Houses during the Year :

(1) (a) Total number of dwelling houses inspected (for housing defects under Public Health or Housing Acts) ... ..	1188
(b) Number of inspections made for the purpose ... ..	1608
(2) (a) Number of dwelling houses (included under sub-head 1 above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 ... ..	347
(b) Number of inspections made for the purpose ... ..	501
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	351
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ... ..	675

## 2. Remedy of Defects during the Year without Service of Formal Notices :

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their Officers ... ..	429
--	-----

## 3. Action under Statutory Powers during the year :

A.—Proceedings under Sections 9, 10 & 16 of the Housing Act, 1936 :—

(1) Number of dwelling houses in respect of which notices were served requiring repairs ... ..	—
(2) Number of dwelling houses which were rendered fit after service of formal notices :—	
(a) By Owners ... ..	—
(b) By Local Authority in default of Owners ... ..	—

B.—Proceedings under the Public Health Acts :—

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied ... ..	671
(2) Number of dwelling houses in which defects were remedied after service of formal notices :	
(a) By Owners ... ..	274
(b) By Local Authority in default of Owners ... ..	—

C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :

(1) Number of dwelling houses in respect of which Demolition Orders were made ... ..	32
(2) Number of dwelling houses demolished in pursuance of Demolition Orders ... ..	34

D.—Proceedings under Section 12 of the Housing Act, 1936 :—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ... ..	4
Premises closed ... ..	4

HOUSING STATISTICS—*continued*.

- (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ... .. —

## E.—Proceedings under Section 3 of the Housing Act, 1925 :—

- (1) Number of dwelling houses in respect of which notices were served requiring repairs ... .. —
- (2) Number of dwelling houses which were rendered fit after service of formal notices :—
- (a) By Owners ... .. —
- (b) By Local Authorities in default of Owners ... .. —
- (3) Number of dwelling houses in respect of which Closing Orders became operative in pursuance of declarations by Owners of intentions to close ... .. —

## F.—Proceedings under Sections, 11, 14 &amp; 15 of the Housing Act, 1925 :

- (1) Number of dwelling houses in respect of which Closing Orders were made ... .. —
- (2) Number of dwelling houses in respect of which Closing Orders were determined, the dwelling houses having been rendered fit —
- (3) Number of dwelling houses in respect of which Demolition Orders were made ... .. —
- (4) Number of dwelling houses demolished in pursuance of Demolition Orders ... .. 34
- Number of removals of tenants under Slum Clearance Scheme ... .. 38
- From Houses ... .. 173
- From Cellars or parts of Houses } ... ..
- Furniture and effects disinfested ... .. 211

## G.—Proceedings under Section 10 of the Local Government (Miscellaneous Provisions) Act, 1953 :

- (a) Number of Closing Orders under Section 10 (1) ... .. 18
- (b) Number of Closing Orders carried out ... .. 54

**4. Number of Houses owned by the Local Authority, distinguishing those built in the last three years and held under Part 2 of the Housing Act, 1925, and (2) Other Powers :**

## Houses owned by the Local Authority—1954 :

By Purchase	...	...	...	...	7
Under 1890 Act	...	...	...	...	253
Under 1919 Act	...	...	...	...	236
Under 1924 Act	...	...	...	...	226
Under 1930 Act	...	...	...	...	544
Under 1936 Act	...	...	...	...	2198
Number built during last 3 years	...	...	...	...	511

## DISINFESTATION OF DWELLINGS.

During the year, complaints were received of bug, beetle or ant infestation in Corporation owned, or privately owned houses.

Spraying by recognised insecticides containing the proper percentage of DDT or GAMMAXENE was found to be very effective. This work has been carried out free of charge to the occupiers.

Number of Houses found to be infested with Bed Bug (all subsequently disinfested).

(a) Council Houses	...	...	...	22
(b) Other Houses	...	...	...	19

# **FACTORIES ACT, 1937 and 1948**

INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH, INCLUDING  
INSPECTIONS MADE BY PUBLIC HEALTH INSPECTORS—1957.

Premises (1)	Number of			Number on Register
	Inspections (2)	Written Notices (3)	Occupiers Prosecuted (4)	
FACTORIES in which Secs. 1, 2, 3, 4 and 6 are enforced by Local Authority ...	267	12	Nil.	25
FACTORIES not included above in which Sec. 7 is enforced by Local Authority ...	312	10	Nil.	96
OTHER PREMISES in which Section 7 is enforced, but not including outworker's premises ...	30	2	Nil.	3
TOTAL ...	609	24	Nil.	124

# DEFECTS FOUND

81

Particulars (1)	Number of Defects			Number of defects in respect of which Prosecutions were instituted (5)
	Found (2)	Remedied (3)	Referred by H.M. Inspector (4)	
Want of Cleanliness (Section 1) ... ..	8	8	—	—
Overcrowding (Section 2) ... ..	—	—	—	—
Unreasonable Temperature (Section 3) ... ..	—	—	—	—
Inadequate Ventilation (Section 4) ... ..	—	—	—	—
Ineffective Drainage of Floors (Section 6) ... ..	—	—	—	—
Sanitary Conveniences S.7 Insufficient ... ..	10	10	—	—
Unsuitable or Defective Not Separate for Sexes ... ..	—	—	—	—
Other Offences ... ..	4	4	—	—
<b>TOTAL</b> ... ..	<b>22</b>	<b>22</b>	<b>—</b>	<b>—</b>

## OUTWORK SECTIONS 110—111

NATURE OF WORK (1)	No. of Outworkers	Instances (2)	Notices Served (3)	Prosecutions (4)
WEARING APPAREL :— Making, etc. ...	1	Nil.	Nil.	Nil.
Carding etc. of Buttons, etc.	52	Nil.	Nil.	Nil.
TOTAL ...	53	Nil.	Nil.	Nil.



## **PART 7.**

# **The Inspection and Supervision of Food**

### MILK SUPPLY.

On December 31st, 1957, there were 22 retail purveyors of milk in the County Borough.

### MILK LICENSES.

The following licenses were issued during the year :—

Dealers' Licenses authorising the use of the special designation, "Pasteurised" milk	...	22
Dealers' Licenses authorising the use of the special designation "Tuberculin Tested Milk (Pasteurised)"	... ..	12
Pasteurisers' Licenses authorising the use of the special designation, "Pasteurised"	...	1
Dealers' Licenses authorising the use of the special designation "Sterilized"	...	3

### Inspection of Dairies :—

During the year the Public Health Inspectors paid 124 visits to inspection to dairies and 6 notices were served under Milk and Dairies Orders and other Regulations in respect of dairies, and milk-shops.

### BACTERIOLOGICAL EXAMINATION OF MILK.

The following table details the results of the bacteriological examination of all types of milk sampled in the County Borough during the year 1957.

Grade of Milk	Num'r Tested	Numbers Passed	Failed Meth.Blue Test	Failed Phosphat. Test
Pasteurised	30	30	Nil.	Nil.
T.T. (Past.)	39	39	Nil.	Nil.
Sterilized	22	22	Nil.	Nil.

## MEAT REGULATIONS.

## FOOD AND DRUGS ACTS.

The Regulations generally have been satisfactorily carried out during the year. The handling and transport of meat is observed in accordance with the above regulations, and the Meat vans are protected in such a manner as to prevent contamination of the meat.

Notice of emergency slaughter continues to be given where necessary. The slaughter of pigs, for home consumption, is carried out at the cottagers' premises, prior notice being given in each case as to the place and time of slaughter.

All meat-carriers in the Borough are provided with and wear washable head-covering and overalls when carrying meat.

		<i>Total</i>	<i>Bulls and Steers</i>	<i>Cows and Heifer</i>	<i>Calves</i>	<i>Sheep and Lambs</i>	<i>Pigs</i>
Number Killed ... ..		6113	241	288	66	4342	1176
Number Inspected ... ..		6113	241	288	66	4342	1176
No. affected with Diseases other than T.B.	Whole	19	1	2	—	11	5
	Part	930	110	132	5	602	81
Percentage affected with Diseases other than Tuberculosis		15.5	46.1	46.5	7.6	14.1	7.3
Number affected with Tuberculosis	Whole	8	1	3	—	—	4
	Part	54	5	21	—	—	30
Percentage affected with Tuberculosis ...		1.01	2.4	8.3	—	—	2.9
Number affected with Cysticercosis ...		—	—	—	—	—	—

## SLAUGHTER-HOUSE AND MEAT INSPECTION.

Six hundred and forty-one visits were made for the purpose of meat inspection by the Public Health Inspectors, who all possess the Certificate for the Inspection of Meat and Other Foods.

There are two slaughterhouses in the County Borough area, one privately owned and the other leased to the Corporation.

### SLAUGHTER OF ANIMALS ACT, 1954.

Eighteen slaughter-men were given licenses during the year, and the provisions of the above Act regarding the humane and scientific slaughter of animals, including sheep and lambs, were carried out.

#### *Number of Animals Slaughtered :*

Cattle, 529 ; Sheep, 4,342 ; Pigs, 1,176 ; Calves, 66.

#### *Meat Condemned :*

Beef, 1,358 lbs. ; Beef Offal, 3,933 lbs. ; Mutton, 267 lbs. ; Sheep Offal, 708 lbs. ; Calves Offal, 77 lbs. ; Pork, 1,942 lbs. ; Pig Offal, 334 lbs. ; Veal 83 lbs ; Total : 8,724 lbs.

### BACTERIOLOGICAL EXAMINATIONS.

The following are details of bacteriological examinations carried out during the year in connection with food inspection and the prevention of food poisoning, etc. :

Bacteriological Examination of Milk	...	...	91
Bacteriological Examination of Water	...	...	61
Bacteriological Examination of Ice-cream	...	...	18
Bacteriological Examination of Suspect Foodstuffs			Nil.

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### WATER AND SEWAGE ANALYSIS.

During 1957, sixty-two samples of water and sewage were taken for either bacteriological or chemical analysis. Sixty-one of these were water and the remaining one sewage.

<i>Sample.</i>	<i>Examination</i>	<i>Satis- factory</i>	<i>Unsatis- factory</i>
Sewage Effluent ... ..	Bacteriological	1	—
	Chemical	—	—
Water ... ..	Bacteriological	48	4
	Chemical	9	—

There are approximately forty dwellings out of a total of over 17,500 houses in the County Borough Area, which by virtue of their inaccessibility or high-lying position are not connected to the public water supply. Regular visits are paid to these houses by the Public Health Inspectors. There are no stand pipes in the County Borough Area.

### PUBLIC SWIMMING BATHS.

Samples of bath water from the three Municipal Swimming Baths were taken during the Summer at the height of the swimming season. All samples were taken during the time that the baths were open and were full of bathers. The results of the samples are :—

<i>Baths</i>	<i>Place of Sampling</i>	<i>Bacteriological Examination</i>
Edwardsville Open Air,	Shallow end	Satisfactory
Treharris ... ..	Deep End	Satisfactory
Gwaunfarren,	Shallow End	Satisfactory
Merthyr Tydfil ... ..	* Deep End	Satisfactory
Pant Road, Dowlais ...	Shallow End	Satisfactory
	Deep End	Satisfactory

\* The Three samples were taken — Surface, Middle & Bottom.

The Bacteriologist reported that the probable Coliform Bacilli and Faecal Coli Counts were 0 per 100 ml. which shows efficient cleansing by the filtration plant during the most crowded state of the baths.

## RETAIL FOOD SHOPS.

The following are details of the numbers of food shops in the County Borough, sub-divided into various classes. It will be appreciated that there is a tendency for shops nowadays to sell all types and classes of goods instead of specialising in one particular commodity. Thus we find that many butchers sell tinned foods and grocers sell vegetables. In the sub-divisions, certain shops appear in more than one classification if their trade in each commodity is substantial. If, however, an insignificant trade is carried on in a type of commodity, it has been ignored.

Total number of shops concerned with the sale of foodstuffs	...	...	...	...	...	...	405
Number of parlour-type shops	...	...	...	...	...	...	160
Number of large and lock-up shops	...	...	...	...	...	...	244
Sub-division by main trades or commodities :							
Ice-cream vendors	...	...	...	...	...	...	92
Butchers	...	...	...	...	...	...	52
Small Goods Manufacturers	...	...	...	...	...	...	43
Restaurants and Cafes	...	...	...	...	...	...	24
Fried Fish Shops	...	...	...	...	...	...	19
Wet Fish Shops	...	...	...	...	...	...	10
Greengrocers	...	...	...	...	...	...	36
Bakers and Confectioners	...	...	...	...	...	...	36

During 1957, one thousand, two hundred and fifty-eight visits were made to all premises registered under the Act, which includes Food Preparation Premises and various canteens.

## CONDEMNATION OF FOODSTUFFS.

During the year 1957, the following foodstuffs were found to be unfit for human consumption and surrendered for destruction. The Inspectors pay regular visits to all the various food shops and warehouses in the area. All condemned food is collected in the Department's van and, in the presence of the Inspector, is punctured, in the case of tinned goods or sprinkled with germicide or parafin in the case of unpacked goods, and deposited at the bottom of the Refuse Tip at Twynyrolyn, Merthyr Tydfil. Disposal takes place early in the morning of refuse collection days and the Inspector concerned and the van driver ensure that the tipmen cover it with subsequent loads of refuse. At the end of a day's tipping, the condemned foods are usually covered with at least fifteen tons of refuse. No traders are allowed to dispose of their unfit foods by placing them with the shop refuse bins.



*Tinned Foods :*

Apricots, 53 tins ; Beans, 58 tins ; Broad Beans, 25 tins ; Beef Steak, 11 tins ; Cooked Ham, 1,460 lbs. ; Corned Beef, 585 $\frac{3}{4}$  lbs. ; Corned Mutton, 1 tin ; Casserole Steak, 3 tins ; Chopped Pork, 26 tins ; Chopped Ham, 2 lbs. ; Crab, 1 tin ; Chicken Broth, 7 tins ; Condensed Milk, 7 tins ; Carrots, 17 tins ; Cherries, 20 tins ; Damsons, 2 tins ; Evaporated Milk, 97 tins ; Fruit Salad, 71 tins ; Fillet of Steak, 1 tin ; Grapefruit, 54 tins ; Grapefruit Juice, 1 tin ; Ham and Beef, 1 tin ; Irish Stew, 5 tins ; Jellied Veal, 78 tins ; Lambs Tongue, 3 tins ; Luncheon Meat, 17 tins ; Loganberries, 6 tins ; Lobster, 5 tins ; Minced Beef Loaf, 18 tins ; Milk (Full Cream), 17 tins ; Meat Loaf, 29 tins ; Mixed Vegetables, 1 tin ; Milk Pudding, 6 tins ; Mayonnaise, 7 tins ; Oranges, 63 tins ; Ox Tail Soup, 10 tins ; Orange Juice, 10 tins ; Ox Tongue, 104 lbs. ; Plums, 35 tins ; Pure Cream, 6 tins and 1 jar ; Pears, 235 tins ; Pork Luncheon Meat, 96 tins ; Peaches, 210 tins, Processed Peas, 66 tins ; Prunes, 9 tins ; Pineapples, 195 tins ; Picnic Ham, 17 lbs. ; Pork Sausages, 1 tin ; Pilchards, 9 tins, Raspberries, 7 tins ; Soups (Various) 34 tins ; Strawberries, 30 tins ; Stewed Steak, 16 tins ; Salmon, 141 tins ; Spaghetti, 2 tins ; Sardines, 6 tins ; Stuffed Pork Roll, 5 tins ; Tomatoes, 826 tins ; Tomato Juice, 3 tins ; Tuna Fish, 6 tins ; Tinned Pork, 16 tins ; Herring Roes, 2 tins ; Shrimps, 3 tins ; Sheeps Tongues, 5 lbs.

*Bottled and Preserved Foods :*

Beetroot, 5 jars ; Wimberries, 1 jar ; Salmon Spread, 1 jar ; Fruit Filling, 8 $\frac{1}{2}$  lbs. ; Pickled Onions, 3 jars ; Red Cabbage, 3 jars ; Cheese Spread, 7 tubes ; Sandwich Spread, 1 jar ; Shrimp Paste, 1 jar ; Chutney, 3 jars ; Ox Tongue, 5 jars.

*Packed Foods :*

Cheese, 8 lbs., 7 packets and 4 cartons ; Blue Cheese, 35 $\frac{1}{2}$  lbs. ; Currants, 312 lbs. ; and 8 packets ; Rice, 1 lb. and 2 packets ; Spaghetti, 1 lb. ; Prunes, 6 packets.

*Fruit and Vegetables.*

Cauliflowers, 400.

*Poultry, Fish and Frozen Foods :*

Bacon, 44 lbs. ; Ham 8 lbs. ; Frozen Egg, 160 lbs. ; Home Killed Beef, 668 lbs. ; Brisket Beef, 4 lbs. ; Veal 42 lbs. ; Roast Pork, 13 $\frac{1}{2}$  lbs. ; Lamb, 324 lbs. ; Sausage, 42 lbs. ; Pork Sausage, 34 lbs. ; Salami Sausage, 3 $\frac{1}{4}$  lbs. ; Hake, 95 lbs. ; Kippers, 52 lbs.

## FOOD AND DRUGS ACTS FERTILIZERS AND FEEDINGSTUFFS ACT.

The following details of samples submitted under the above Acts have been supplied by the Public Analyst for the County Borough of Merthyr Tydfil, D. Evans Jones, Esq., M.Sc., F.R.I.C.

### Food and Drugs Acts :

#### 1. Formal Samples :

- (a) *Milk.* One hundred and thirty-seven formal samples of milk were taken during the year and one was found to be adulterated to the extent of 13% added water.
- (b) *Margarine.* Six samples of margarine taken for formal analysis were reported genuine.
- (c) *Lard.* Four samples of lard were taken and reported genuine.
- (d) *Icecream.* Ten formal samples of Icecream were taken during the year and were all reported genuine.
- (e) *Cooking fat.* One formal sample of cooking fat was taken and found genuine.
- (f) *Butter.* Three formal samples of butter were taken and found genuine.

#### 2. Informal Samples :

Commodity	Number Taken	Number Genuine
Baking Powder .. ..	4	4
Butter ... ..	3	3
Blancmange Powder ... ..	4	4
Butter Beans ... ..	1	1
Cake Mixture ... ..	4	4
Cornflour ... ..	3	3
Custard Powder ... ..	4	4
Canned Vegetables ... ..	5	5
Coffee ... ..	1	1
Cooking Fat ... ..	2	2
Candied Peel .. ..	1	1
Canned Tomato Juice .. ..	1	1
Chopped Chicken in Stock .. ..	1	1
Cream .. ..	1	1
Custard Powder .. ..	2	2
Caraway Seeds .. ..	1	1
Canned Tomato Juice .. ..	2	2
Cocoa .. ..	1	1
Chocolate Flavouring .. ..	1	1
Curry Powder .. ..	1	1
Dried Mixed Fruit .. ..	1	1
Dates .. ..	1	1

Dried Peas	..	..	..	1	1
Dried Mixed Herbs	..	..	..	3	3
Dried Parsley	..	..	..	1	1
Dressed Crab	..	..	..	1	1
Dripping	..	..	..	1	1
Desiccated Coconut	..	..	..	3	3
Dessert Powder	..	..	..	3	3
Fish Paste	...	...	...	7	7
Ground Cinnamon	...	...	...	1	1
Ground Nutmeg	...	...	...	5	5
Ground Ginger	...	...	...	2	2
Golden Raising Powder	...	...	...	1	1
Gravy Browning	...	...	...	1	1
Ground Mixed Spice	..	..	..	6	6
Gelatine	..	..	..	1	1
Instant Icing	..	..	..	1	1
Icing Sugar	..	..	..	1	1
Jelly Products	..	..	..	2	2
Jam	..	..	..	5	3
(Contained a small snail)					
Lentils	..	..	..	1	1
Lung Tonic	..	..	..	1	1
Margarine	..	..	..	5	5
Meat Paste	..	..	..	7	7
Meringue Powder	..	..	..	1	1
Milk	..	..	..	21	21
Mincemeat	..	..	..	1	1
Pastry Mix	..	..	..	1	1
Plain Flour	..	..	..	1	1
Pickling Spice	..	..	..	1	1
Pie Filling	..	..	..	2	2
Rice	...	...	...	3	3
Sago	...	...	...	2	2
Split Peas	...	...	...	1	1
Self Raising Flour	...	...	...	4	4
Shredded Suet	...	...	...	2	2
Soft Drinks	...	...	...	2	1 *
Soft Drink Powder	..	..	..	1	1
Sage Dried	..	..	..	3	3
Soup Powder	..	..	..	1	1
Salad Cream	..	..	..	1	1
Sponge Mix	..	..	..	1	1
Split Peas	..	..	..	1	1
Sausages	..	..	..	2	2
Semolina	..	..	..	1	1
Tapioca	..	..	..	1	1
Tomato Ketchup	..	..	..	1	1
Tea	..	..	..	4	4
Bicarbonate of Soda	..	..	..	8	8
White Pepper	..	..	..	9	9

\* Sample Fermented.

## FERTILIZERS AND FEEDING STUFFS ACT 1926

Of the twenty-three samples taken informally under the Fertilizers and Feeding Stuffs Act 1926, eleven were Fertilizers and twelve were feeding stuffs. The following are details of the analyses :—

	<i>Fertilizers Feeding Stuffs</i>	
a. Number of Informal Samples taken ...	16	13
b. Number reported as being satisfactory ...	16	13
c. Number reported as being below the prescribed limit and to the prejudice of the purchaser ...	Nil.	Nil.

## INSPECTION OF PLACES WHERE FOOD IS PREPARED AND SOLD.

**ICE-CREAM.** In the County Borough Area, there are six manufacturers of ice-cream, all of whom are also registered for the sale of ice-cream. In addition, there are eighty-six retailers of ice-cream, making a total of ninety-two dealers in ice-cream. With the exception of a few small manufacturers who use the "cold mix" process, all manufacturers possess fully equipped dairies and the ice-cream is properly processed in accordance with the Ice-cream (Heat Treatment) Regulations, 1948. These dairies are regularly inspected by the Public Health Inspectors and a high standard of cleanliness is maintained.

**RESTAURANT KITCHENS.** Including licensed premises where food is prepared, there are 72 in the Borough, of which 18 are factory canteens, 38 school canteens and 2 colliery canteens.

**FISH-FRYING AND CHIP POTATO SHOPS.** There are 19 in the Borough, and these are regularly visited by the Public Inspectors, who report favourably as to their conditions and absence of nuisance.

**BAKEHOUSES.** Twenty-one premises were in use during the year. 186 visits were made during the year ; notices of repairs and lime-washing, etc., were served. The conditions generally were satisfactory.

**BUTCHERS.** Small goods, including brawn, polonies, pies, faggots, etc., were prepared at 43 butchers' establishments. At the butchers' establishments the work carried out in a special room, and electric power is available. All the premises are regularly visited by the Inspectors, and the conditions found to be satisfactory.

## CLEAN FOOD EDUCATION.

In 1957, the second series of 4 lectures on various aspects of Food Hygiene was held in the Lecture Room of the College of Further Education, Merthyr Tydfil. The series was well publicised and canteen attendants from the various factories and food preparation premises together with members of the Schools Meals Service attended. The average attendance was sixty. The lectures were held on Wednesday afternoon and evenings and were entitled as follows :—

1. "Food Poisoning and its Causes.
2. "Food Hygiene and Duties of Food Handlers. '
3. "Clean Food Production and Food Hygiene Law."
4. "Demonstration Films on Clean Food Production and Handling."

The lectures were conducted by Inspector D. C. N. Davis and the films were made available by the Food Advisory Officer of the Ministry of Health.

